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A journal on the chemical, electronic, optical and mechanical properties of glasses, amorphous semiconductors and metals, sol–gel materials, the liquid state of these solids and the processes by which they are formed

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Aims and Scope

The Journal of Non-Crystalline Solids publishes original research papers about oxide and non-oxide glasses, amorphous semiconductors, amorphous metals, glassy and amorphous films and coatings, glass-ceramics, glass composites, and processes by which these materials are produced. Papers about the liquid state are included insofar as the properties of the liquids are relevant to the formation of non-crystalline solids.

Review papers are published occasionally. These may be solicited by the Editor or contributed. If contributed, a justification for the review and an outline of the paper should be sent to the Editor for preliminary review.

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JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index to Volumes 201–220

Aasland, S., M.-A. Einarsrud, T. Grande, A. Grzechnik and P.F. McMillan, The structure of ternary fluorozirconate glasses 213–214 (1997) 341
Abd El-Moneim, A., see Sidkey, M.A. 215 (1997) 75
Abe, K., H. Takebe and K. Morinaga, Preparation and properties of Ge–Ga–S glasses for laser hosts 212 (1997) 143
Abe, Y., M. Nogami and M. Maeda, Mobile hydrogen ion in glass to enable pH-measurement 209 (1997) 204
Abe, Y., see Nogami, M. 211 (1997) 208
Abel, C.-D., see Mohring, H.-D. 210 (1997) 306
Abidi, N., see El Mkami, H. 208 (1996) 21
Abou-Helal, M.O. and W.T. Seeber, Rare earth ion doped semiconducting films by spray pyrolysis 218 (1997) 139
Aboud, T. and L. Stoch, Crystallization behavior in the glass system SiO_2–P_2O_5–Al_2O_3–MgO–Na_2O 219 (1997) 149
Abrosimova, G., see Aronin, A. 208 (1996) 139
Abrosimova, G.E., see Barkalov, O.I. 202 (1996) 266
Achten, M., see Samyn, P. 218 (1997) 1
Adam, J.L., C. Ricordel and J. Lucas, New compositions of low phonon energy fluoride and chloro-fluoride glasses 213–214 (1997) 30
Adam, J.L., N. Duhamel-Henry and J.Y. Allain, Blue and green up-conversion in (Yb^{3+}, Tb^{3+}) co-doped fluorophosphate glasses 213–214 (1997) 245
Adam, J.L., see Azkargorta, J. 213–214 (1997) 271
Adam, J.L., see Binnemans, K. 204 (1996) 178
Adam, J.L., see Jurdyc, A.M. 213–214 (1997) 231
Adriaenssens, G.J., see Arkhipov, V.I. 220 (1997) 309
Adriaenssens, G.J., see Tikhomirov, V.K. 213–214 (1997) 174
Adya, A.K. and G.W. Neilson, Neutron diffraction results from some nitrate melts 205–207 (1996) 168
Aegerter, M.A., A. Reich, D. Ganz, G. Gasparro, J. Pütz and T. Krajewski, Comparative study of SnO_2:Sb transparent conducting films produced by various coating and heat treatment techniques 218 (1997) 123
Aegerter, M.A., see Barros Filho, D.A. 213–214 (1997) 336
Aegerter, M.A., see Catunda, T. 213–214 (1997) 225
Aegerter, M.A., see Flórez, A. 213–214 (1997) 315
Aegerter, M.A., see Ganz, D. 218 (1997) 242
Aegerter, M.A., see de S. Menezes, L. 213–214 (1997) 256
Agarwal, A. and M. Tomozawa, Correlation of silica glass properties with the infrared spectra 209 (1997) 166
Agarwal, A. and M. Tomozawa, Surface and bulk structural relaxation kinetics of silica glass 209 (1997) 264
Agarwal, A., see Davis, K.M. 203 (1996) 27
Agarwal, A., see Peng, Y.-L. 217 (1997) 272
Agarwal, P., S.K. Tripathi, S. Kumar and S.C. Agarwal, Comparison of thermal and light induced metastabilities in lithium doped a-Si:H 201 (1996) 163
Agarwal, S.C., see Agarwal, P. 201 (1996) 163
Aggarwal, I.D., see Bayya, S.S. 212 (1997) 198
Aggarwal, I.D., see Harbison, B.B. 213–214 (1997) 16
Aggarwal, I.D., see Sanghera, J.S. 213–214 (1997) 63
Agladze, N.I., A.J. Sievers, S.A. Jones and J.M. Burlitch, Mm-wave absorption by two level systems in mesoscopic amorphous grains 203 (1996) 37
Ahlgren, M., M. Rodmar, M. Sommer and Ö. Rapp, Vanishing Coulomb interaction parameter F_σ with increasing temperature in AlCuFe-quasicrystals 205–207 (1996) 21
Ahmad, Z., see Rehman, H.U. 211 (1997) 105
Ahmed, A.A., N.A. Sharaf and R.A. Condrate, Sr, Raman microprobe investigation of sulphur-doped alkali borate glasses 210 (1997) 59
Ahn, J., see Yoon, S.F. 211 (1997) 173
Aihara, T., see Saito, M. 205–207 (1996) 721
Aihara Jr., T., Y. Kawazoe and T. Masumoto, Molecular dynamics simulation for binary amorphous Zr–Ni alloys 205–207 (1996) 875
Aitken, B.G. and R.S. Quimby, Rare-earth-doped multicomponent Ge-based sulphide glasses 213–214 (1997) 281
Aitken, B.G., see Wu, X. 203 (1996) 120
Aivazov, A.A., see Budaguan, B.G. 204 (1996) 169

Aivazov, A.A., see Budaguan, B.G. 210 (1997) 267
Akatsuka, H., see Fukunaga, T. 205–207 (1996) 531
Akella, A., E.A. Downing and L. Hesselink, New fluoroindate glass compositions 213–214 (1997) 1
Akiyama, T., see Tsukuma, K. 210 (1997) 48
Akiyama, Y., see Izutsu, H. 212 (1997) 40
Al-Harthi, A.S., see Khattak, G.D. 212 (1997) 180
Al-Kotb, M.S., see Kotkata, M.F. 205–207 (1996) 180
Alayo, M.I., see Pereyra, I. 212 (1997) 225
Alfano, R.R., see Devi, P.S. 203 (1996) 78
Alfonsetti, R., see Santucci, S. 216 (1997) 156
Alivisatos, A.P., see Pietraß, T. 202 (1996) 68
Alkemper, J. and H. Fuess, Devitrification of bioactive invert phosphate glasses 210 (1997) 32
Allain, J.Y., see Adam, J.L. 213–214 (1997) 245
Almarza, N.G., see Gonzalez, M.A. 205–207 (1996) 285
Almeida, R.M., P.J. Morais and M.C. Gonçalves, Rare earth doped fluorozirconate glass films 213–214 (1997) 251
Almeida, R.M., see Gonçalves, M.C. 213–214 (1997) 184
Almeida, R.M., see Kharlamov, A.A. 202 (1996) 233
Almeida, R.M., see Orignac, X. 217 (1997) 155
Altounian, Z., see Mao, M. 205–207 (1996) 476
Altounian, Z., see Mao, M. 205–207 (1996) 633
Altounian, Z., see Sabouri-Ghomi, M. 205–207 (1996) 692
Altounian, Z., see Wang, Y.B. 205–207 (1996) 221
Alves, O.L., see Barbosa, L.C. 219 (1997) 205
Alves Jr., S., see Vaz de Araújo, A.C. 219 (1997) 160
Alviso, C.T., see Gross, J. 211 (1997) 132
Amano, T., see Nakagawa, M. 218 (1997) 100
Amini, M., see Gruenhut, S. 213–214 (1997) 398
Amiridis, M.D., see Lin, C. 215 (1997) 146
Anderson, T.S., R.H. Magruder III, R.A. Weeks and R.A. Zuhr, Effects of substrate temperature and nominal dose on the microstructure and optical properties of indium implanted high purity silica 203 (1996) 114
Ando, E. and S. Suzuki, Optical and mechanical properties of Cr and CrN_x films by dc magnetron sputtering 218 (1997) 68
Andonov, P., S. Kimura and P. Palleau, Macroclustering in liquid lithium niobate 205–207 (1996) 163
Andrade, A.A., see Baesso, M.L. 219 (1997) 165
André, D., see Decroupet, D. 218 (1997) 368
Anedda, A., C.M. Carbonaro, R. Corpino and A. Serpi, Low temperature time resolved photoluminescence of the 3.1 and 4.2 eV emission bands in Ge-doped silica 216 (1997) 19
Angel, P.W., M.R. De Guire and A.R. Cooper, Electrical conductivity, relaxation and the glass transition: A new look at a familiar phenomenon 203 (1996) 286
Angell, C.A., S. Borick and M. Grabow, Glass transitions and first order liquid-metal-to-semiconductor transitions in 4–5–6 covalent systems 205–207 (1996) 463
Angell, C.A., see Boussard-Plédel, C. 209 (1997) 247
Angell, C.A., see Hemmati, M. 217 (1997) 236
Angell, C.A., see Pimenov, A. 220 (1997) 93
Annen, A., R. Beckmann and W. Jacob, Deposition and characterization of dense and stable amorphous hydrogenated boron films at low substrate temperatures 209 (1997) 240
Anselm, L. and G.H. Frischat, Atomic force microscopy of heavy metal fluoride glasses 213–214 (1997) 375
Anselm, L. and G.H. Frischat, Atomic force microscopy of heavy metal fluoride glasses 217 (1997) 115
Aoki, K., see Saito, M. 205–207 (1996) 721
Aoki, T., see Yao, M. 205–207 (1996) 274
Aparicio, M., see Villegas, M.A. 218 (1997) 146
Arai, T., I. Yokoyama and M. Kobayashi, Monte Carlo study of 4th-inverse power potential using parallel computers: The role of structure factor in low wavenumber region 205–207 (1996) 879
Arai, T., see Asami, T. 211 (1997) 89
Arai, Y., Y. Shirakawa and S. Tamaki, Structural properties of low dimensional potassium metal in intercalated graphite 205–207 (1996) 803
Arai, Y., see Shirakawa, Y. 205–207 (1996) 357
Archer, A.D., S.B. Lague and A.C. Barnes, Magnetic susceptibility measurements of $Tl_{1-x}Se_x$ alloys close to the stoichiometric composition Tl_2Se 205–207 (1996) 126
Archer, A.D., see Lague, S.B. 205–207 (1996) 89
Arkhipov, V.I. and G.J. Adriaenssens, Thermally-stimulated currents controlled by fluctuating localized states 220 (1997) 309
Armand, P., A. Goldbach, C. Cramer, R. Csencsits, L.E. Iton, D.L. Price and M.-L. Saboungi, Semiconductors in the disordered state: From bulk to nanoscale 205–207 (1996) 797
Arnaud, A., Industrial production of coated glass: Future trends for expanding needs 218 (1997) 12
Arnault, L., A. Rivière and B. Lucas, Relaxations in Li_2O–Al_2O_3–SiO_2-type glass and glass-ceramics studied by isothermal mechanical spectroscopy 210 (1997) 87
Arndt, J., see Tan, C.Z. 203 (1996) 109
Arnold, D., see Kozhevnikov, V. 205–207 (1996) 256
Arnold, D.I., O.I. Girney, E.V. Grodzin-

sky, V.F. Kozhevnikov and S.P. Naurzakov, Sound velocity and thermodynamic properties of liquid rubidium and potassium at high temperatures and pressures 205–207 (1996) 459
Arnold, R. and H. Solbrig, Disorder-induced resistivity of liquid and amorphous transition metals calculated within the scattered-wave supercell concept 205–207 (1996) 861
Aronin, A., G. Abrosimova, I. Zver'kova, D. Lang and R. Lück, Phase transformations in $Pd_{40}Ni_{40}P_{20}$ alloy at heating 208 (1996) 139
Aronin, A.S., see Barkalov, O.I. 202 (1996) 266
Aronne, A., see Pernice, P. 210 (1997) 23
Arun, P. and A.G. Vedeshwar, Effect of heat treatment on the optical properties of amorphous Sb_2S_3 film: the possibility of optical storage 220 (1997) 63
Asahi, N., see Haruyama, O. 205–207 (1996) 706
Asami, T., K. Matsuishi, S. Onari and T. Arai, Low frequency Raman scattering spectra of $(GeS_2)_{1-x}$-$(Sb_2S_3)_x$ amorphous semiconductors 211 (1997) 89
Asomoza, M., see Attos, O. 210 (1997) 163
Assink, R.A., see Prabakar, S. 202 (1996) 53
Assink, R.A., see Prabakar, S. 211 (1997) 39
Atanassov, G., see Fu, J.K. 218 (1997) 403
Attos, O., M. Massot, M. Balkanski, E. Haro-Poniatowski and M. Asomoza, Structure of borovandate glasses studied by Raman spectroscopy 210 (1997) 163
Audier, M., see Klein, H. 205–207 (1996) 6
Auding, H., see Köstlin, H. 218 (1997) 347
Aures, J., see Hoell, A. 208 (1996) 294
Auriel, G., J.P. Dubuc, B. Sagnes and J. Oualid, Methods to determine electron traps created in gate oxides by Fowler–Nordheim injection 220 (1997) 157
Auzel, F., see Lipinska-Kalita, K.E. 204 (1996) 188
Auzel, F., see Ribeiro, S.J.L. 219 (1997) 176
Awazu, K., Comments on 'Thermal and photo-initiated reactions of H_2 with germanosilicate optical fibers' 201 (1996) 267
Awazu, K. and H. Onuki, Photo-induced synthesis of amorphous SiO_2 film from tetramethoxy-silane on polymethylmethacrylate at room temperature 215 (1997) 176
Awazu, K., H. Onuki and K.-i. Muta, Mechanisms of photo-bleaching of 5 eV optical absorption band in hydrogen loaded Ge-doped SiO_2 211 (1997) 158
Ayers, M.R. and A.J. Hunt, Visibly photoluminescent silica aerogels 217 (1997) 229
Azens, A., see Granqvist, C.G. 218 (1997) 273
Azkargorta, J., I. Iparraguirre, R. Balda, J. Fernández, J.L. Adam, E. Dénoue and J. Lucas, Site-effects on the laser emission of Nd^{3+} ions in a new fluoride glass 213–214 (1997) 271

Baade, T., see Walter, G. 217 (1997) 299
Babu, P.D. and S.N. Kaul, Electrical resistivity of amorphous $Fe_{90-x}Co_x$-Zr_{10} alloys: Weak localization and spin fluctuation effects 220 (1997) 147
Bach, H., Advanced surface analysis of silicate glasses, oxides and other insulating materials: a review 209 (1997) 1
Bachmann, T., see Hobert, H. 220 (1997) 187
Bae, B.-S., see Koo, J. 212 (1997) 173
Baesso, M.L., A.C. Bento, A.A. Andrade, T. Catunda, J.A. Sampaio and S. Gama, Neodymium concentration dependence of thermo–optical properties in low silica calcium aluminate glasses 219 (1997) 165
Baesso, M.L., see Catunda, T. 213–214 (1997) 225
Bahl, O.P., see Parashar, V.K. 201 (1996) 150
Bahtat, A., M. Bouazaoui, M. Bahtat, C. Garapon, B. Jacquier and J. Mugnier, Up-conversion fluorescence spectroscopy in Er^{3+}:TiO_2 planar waveguides prepared by a sol–gel process 202 (1996) 16
Bahtat, M., see Bahtat, A. 202 (1996) 16
Balda, R., see Azkargorta, J. 213–214 (1997) 271
Balkanski, M., see Attos, O. 210 (1997) 163
Ballato, J., R.E. Riman and E. Snitzer, Sol–gel synthesis of fluoride optical materials for planar integrated photonic applications 213–214 (1997) 126
Ballato, J., see Lin, I.-C. 215 (1997) 113
Balucani, U., A. Torcini, A. Stangl and Chr. Morkel, Single-particle motion in liquid sodium: thermal crossover between two dynamical regimes 205–207 (1996) 299
Balucani, U., see Stangl, A. 205–207 (1996) 402
Ban, T., see Takahashi, Y. 218 (1997) 129
Banerjee, R., see Das, D. 211 (1997) 229
Baniel, P., A. Lopez, P. Gall and J. Granier, Influence of processing parameters on the scattering properties of fluorozirconate glasses prepared by the gas film levitation technique 203 (1996) 143
Baram, J., see Erukhimovitch, V. 208 (1996) 288
Baram, J., see Rivlin, Z. 215 (1997) 283
Barandiarán, J.M., see Herreros, J. 201 (1996) 102
Bararíu, F., see Chiriac, H. 205–207 (1996) 687
Barbosa, L.C., V.C.S. Reynoso, A.M. de Paula, C.R.M. de Oliveira, O.L. Alves, A.F. Craievich, R.E. Marotti, C.H. Brito Cruz and C.L. Cesar,

CdTe quantum dots by melt heat treatment in borosilicate glasses 219 (1997) 205
Bárczy, P., see Kaptay, G. 205–207 (1996) 742
Barger, M.A., see Crowder, C.E. 210 (1997) 209
Baricco, M., L. Battezzati, M. Braglia, G. Cocito, M. Gava, J. Kraus and S. Mosso, Nucleation and growth of crystals in a ZBLYAN glass 213–214 (1997) 79
Barkalov, O.I., A.S. Aronin, G.E. Abrosimova and E.G. Ponyatovsky, Formation and structural evolution of the bulk amorphous $Al_{32}Ge_{68}$ alloy on heating 202 (1996) 266
Barkatt, A., see Sang, J.C. 208 (1996) 170
Barmin, Yu.V., see Stognei, O.V. 205–207 (1996) 616
Barnes, A.C., see Archer, A.D. 205–207 (1996) 126
Barnes, A.C., see Lague, S.B. 205–207 (1996) 89
Barnes, A.C., see Ohno, S. 205–207 (1996) 98
Barnes, A.V., see Morimoto, Y. 203 (1996) 62
Barnett, R.N., see Landa, A. 205–207 (1996) 767
Baró, M.D., see Suriñach, S. 205–207 (1996) 546
Baron, B., see Rocherullé, J. 211 (1997) 222
Barros Filho, D.A., A. Machado Ferraz, Y. Messaddeq and M.A. Aegerter, Uniaxial stress relaxation measurement in fluoroindate glasses 213–214 (1997) 336
Bartholomew, R.F., A.L. Sadd and P.A. Tick, Viscosity of cadmium mixed halide glasses 203 (1996) 364
Barton, J.L., Electric conduction of glasses at intermediate field strengths 203 (1996) 280
Barua, A.K., see Das, D. 210 (1997) 148
Battaglin, G., see Brusatin, G. 220 (1997) 202
Battezzati, L., see Baricco, M. 213–214 (1997) 79
Bauer, G.H., see Mohring, H.-D. 210 (1997) 306
Bayya, S.S., B.B. Harbison, J.S. Sanghera and I.D. Aggarwal, $BaO–Ga_2O_3–GeO_2$ glasses with enhanced properties 212 (1997) 198
Beall, G.H., see Pinckney, L.R. 219 (1997) 219
Beatty, K.M., see Jackson, K.A. 219 (1997) 100
Becher, P.F., see Sun, E.Y. 208 (1996) 162
Beck, U., Th. Koslowski and W. Freyland, Electronic structure of metal–molten salt solutions: Electron localization and the metal–non-metal transition 205–207 (1996) 52
Becker, Ch., see Cossy-Favre, A. 205–207 (1996) 587
Becker, Ch., see Spišák, D. 205–207 (1996) 624
Beckmann, R., see Annen, A. 209 (1997) 240
Bedikjan, L. and P. Danesh, RF plasma treatment of porous silicon 220 (1997) 261
Begag, R., see Pajonk, G.M. 210 (1997) 224
Beier, W., see Buchmayer, G. 204 (1996) 253
Belashchenko, D.K., Computer simulation of non-crystalline oxides MeO and Me_2O_3 205–207 (1996) 212
Belashchenko, D.K., see Mendelev, M.I. 205–207 (1996) 888
Bel Hadj Tahar, R., see Takahashi, Y. 218 (1997) 129
Bell, K.W., see Hobson, P.R. 213–214 (1997) 147
Bellido, F., see Zotov, N. 209 (1997) 149
Bellissent, R., G. Galli, T. Hyeon, P. Migliardo, G. Parette and K.S. Suslick, Magnetic and structural properties of amorphous transition metals and alloys 205–207 (1996) 656
Bellissent, R., see Gaspard, J.-P. 205–207 (1996) 75
Bellissent, R., see Ibanez, A. 202 (1996) 248
Bellissent, R., see Klein, H. 205–207 (1996) 6
Bellissent, R., see Lyonnard, S. 205–207 (1996) 11
Belostotsky, V., Some effects of Ti^+-ion implantation at elevated temperatures and following annealing on optical spectra of silica glass 202 (1996) 194
Belykh, A., L. Glebov, C. Lerminiaux, S. Lunter, M. Mikhailov, A. Plyukhin, M. Prassas and A. Przhevuskii, Spectral and luminescence properties of neodymium in chalcogenide glasses 213–214 (1997) 238
Belykh, A.V., O.M. Efimov, L.B. Glebov, Yu.A. Matveev, A.M. Mekryukov, M.D. Mikhailov and K. Richardson, Photo-structural transformation of chalcogenide glasses under non-linear absorption of laser radiation 213–214 (1997) 330
Benazzi, N., J. Vinckel and J.G. Gasser, Absolute thermoelectric power of liquid germanium doped with gallium 201 (1996) 172
Bento, A.C., see Baesso, M.L. 219 (1997) 165
Benvenutti, E.V., see Costa, T.M.H. 220 (1997) 195
Berger, R., see Kliava, J. 202 (1996) 205
Bergman, C., see Tsuchiya, Y. 205–207 (1996) 143
Bergmann, R.B., J.G. Darrant, A.R. Hyde and J.H. Werner, Crystalline silicon films on a novel high temperature glass for applications in microelectronics and photovoltaics 218 (1997) 388
Berman, L.E., see Regan, M.J. 205–207 (1996) 762
Bermejo, F.J., see Gonzalez, M.A. 205–207 (1996) 285
Bernard, J. and W. Freyland, Metal–semiconductor transition in liquid M_xSb_{1-x} alloys (M = Na, K, Cs): variation of electrical conductivity and thermodynamic properties 205–207 (1996) 62
Bertagnolli, H., see Dubiel, M. 220 (1997) 30
Bertagnolli, H., see Kolb, U. 217 (1997) 162
Bertault, M., see Matecki, M. 213–214 (1997) 409
Berthereau, A., see Fargin, E. 203 (1996) 96
Bertoncello, R., see Bogomolova, L.D. 210 (1997) 101
Besson, J.-L., H. Lemercier, T. Rouxel and G. Trolliard, Yttrium sialon glasses: Nucleation and crystallization of $Y_{35}Si_{45}Al_{20}O_{83}N_{17}$ 211 (1997) 1

Besson, J.-L., see Lemercier, H. 201 (1996) 128

Bettinelli, M., A. Speghini, M. Ferrari and M. Montagna, Spectroscopic investigation of zinc borate glasses doped with trivalent europium ions 201 (1996) 211

Bettinelli, M., see Sbetti, M. 220 (1997) 217

Bettinelli, M., see Wachtler, M. 217 (1997) 111

Beudert, R., see Kolb, U. 217 (1997) 162

Bhatnagar, A.K., B. Seshu, G.V. Sudhakar Rao and N.R. Munirathnam, Mössbauer measurements of amorphous $Fe_{72-x}Ni_{10+x-y}Mo_yB_{16}Si_2$ 204 (1996) 305

Biasse, B., see Boukenter, A. 216 (1997) 95

Bichara, C., J.-Y. Raty and J.-P. Gaspard, On the structure of liquid tellurium 205–207 (1996) 361

Biederman, H., P. Bílková, J. Ježek, P. Hlídek and D. Slavínská, RF magnetron sputtering of polymers 218 (1997) 44

Biermann, C., see Winter, R. 205–207 (1996) 66

Bifone, A., see Pietraß, T. 202 (1996) 68

Bigot, J., see Xing, L.Q. 205–207 (1996) 597

Bigot, J., see Xing, L.Q. 205–207 (1996) 637

Bílková, P., see Biederman, H. 218 (1997) 44

Binnemans, K., D. Verboven, C. Görller-Walrand, J. Lucas, N. Duhamel-Henry and J.L. Adam, Optical absorption and magnetic circular dichroism spectra of neodymium doped fluorozirconate (ZBLAN) glass 204 (1996) 178

Bionducci, M., see Ibanez, A. 202 (1996) 248

Biotteau, G., see Costantini, J.M. 216 (1997) 36

Birnboim, M., see Ko, M.-J. 203 (1996) 211

Birnie III, D.P., Combined flow and evaporation during spin coating of complex solutions 218 (1997) 174

Birnie III, D.P., see Weinberg, M.C. 202 (1996) 290

Birnie III, D.P., see Weinberg, M.C. 219 (1997) 89

Bishop, S.G., see Turnbull, D.A. 213–214 (1997) 288

Bitsis, M.S., see Chryssikos, G.D. 217 (1997) 278

Blacher, S., see Mathieu, B. 212 (1997) 250

Blanchet, T.A., see Peng, Y.-L. 217 (1997) 272

Blanks, K.A., The role of the Raman coupling coefficient in an inelastic light scattering process in amorphous solids 208 (1996) 81

Blanks, K.A., The spectral distribution of thermally active vibrational states in an amorphous solid 211 (1997) 77

Blondel, M., see Deparis, O. 216 (1997) 124

Bo, Z., see Dong, D. 204 (1996) 260

Bo, Z., see Dong, D. 208 (1996) 282

Bo, Z., see Zhu, J. 201 (1996) 47

Bobe, J.M., J.M. Reau, J. Senegas and M. Poulain, Ion conductivity and diffusion in ZrF_4-based fluoride glasses containing LiF ($0 \leq x_{LiF} \leq 0.60$) 209 (1997) 122

Boek, H., see Ponader, C.W. 201 (1996) 81

Bogdanov, V., see MacFarlane, D.R. 213–214 (1997) 158

Bogdanov, V.L., see Bogomolova, L.D. 202 (1996) 178

Bogomolova, L.D., V.A. Jachkin, S.A. Prushinsky, S.A. Dmitriev, S.V. Stefanovsky, Yu.G. Teplyakov, F. Caccavale, E. Cattaruzza, R. Bertoncello and F. Trivillin, Paramagnetic defects induced by ion implantation in oxide glasses 210 (1997) 101

Bogomolova, L.D., V.A. Jachkin, S.A. Prushinsky, S.V. Stefanovsky, Yu.G. Teplyakov and F. Caccavale, EPR study of paramagnetic species in oxide glasses implanted with nitrogen 220 (1997) 109

Bogomolova, L.D., Yu.G. Teplyakov, A.A. Deshkovskaya and F. Caccavale, Some peculiarities of EPR spectra of E′-centers in ion-implanted silica glasses 202 (1996) 185

Bogomolova, L.D., Yu.G. Teplyakov, V.A. Jachkin, V.L. Bogdanov, V.D. Khalilev, F. Caccavale and S. Lo Russo, On the formation of paramagnetic defects in ion-implanted fluoroaluminate glasses 202 (1996) 178

Böhmer, R., see Pimenov, A. 212 (1997) 89

Böhmer, R., see Pimenov, A. 220 (1997) 93

Bojja, S., see Tsuneoka, T. 202 (1996) 297

Bolyán, L., see Kaptay, G. 205–207 (1996) 742

Bongiorno, A., L. Colombo and M.I. Trioni, Migration of atomic hydrogen in crystalline and amorphous SiO_2: a molecular dynamics study 216 (1997) 30

Bongiorno, A., see Trioni, M.I. 220 (1997) 164

Booth, D.J., see MacFarlane, D.R. 213–214 (1997) 158

Bordoni, F., L. Fasciani, R. De Tommasis, A. Di Giacomo and G. Moccia, Scanning capacitance microscope, an alternative technique to the C–V measurement for the SiO_2 characterisation 216 (1997) 180

Borick, S., see Angell, C.A. 205–207 (1996) 463

Borrelli, N., see Sempolinski, D.R. 203 (1996) 69

Borsa, F., see Kim, K.H. 211 (1997) 112

Boscaino, R., see Cannas, M. 216 (1997) 99

Boscaino, R., see Leone, M. 216 (1997) 105

Bosch, P., see Mendoza-Serna, R. 217 (1997) 30

Bosse, J., see Kaneko, Y. 205–207 (1996) 472

Botta F., W.J., see Perdigão, M.N.R.V. 219 (1997) 170

Bouaoud, S.E., see Boutarfaia, A. 213–214 (1997) 36

Bouazaoui, M., see Bahtat, A. 202 (1996) 16

Bouazaoui, M., see Duverger, C. 220 (1997) 169

Bouhifd, M.A., see Richet, P. 211 (1997) 271

Boukenter, A., Y. Ouerdane, A. Mure-Ravaud, G. Pandraud, S. Pelissier, F. Pigeon and B. Biasse, Photoluminescence spectroscopy of direct bonded silica based wafers 216 (1997) 95

Boukenter, A., see Goutaland, F. 216 (1997) 135
Boulard, B., see Gao, Y. 213–214 (1997) 137
Boulton, J.M., see Uhlmann, D.R. 218 (1997) 113
Boureau, G., see Capron, N. 216 (1997) 10
Boussard-Plédel, C., M. Le Floch, G. Fonteneau, J. Lucas, S. Sinbandhit, J. Shao, C.A. Angell, J. Emery and J.Y. Buzaré, The structure of a boron oxyfluoride glass, an inorganic cross-linked chain polymer 209 (1997) 247
Boutarfaia, A., M.A. Poulain, M.J. Poulain and S.E. Bouaoud, Fluoroindate glasses based on the InF_3–BaF_2–YF_3 system 213–214 (1997) 36
Boutchacha, T., G. Ghibaudo, G. Guégan and M. Haond, Low frequency noise characterization of 0.25 μm Si CMOS transistors 216 (1997) 192
Bowen, D.L., see Hobson, P.R. 213–214 (1997) 147
Boyen, H.-G., A. Cossy-Favre, G. Gantner, H. Stupp, C. Lauinger and P. Oelhafen, Low temperature amorphization at interfaces in layered structures: evidence for a low-dimensional Peierls system 205–207 (1996) 776
Boyen, H.-G., see Cossy-Favre, A. 205–207 (1996) 587
Boyen, H.-G., see Dürrwächter, M. 205–207 (1996) 322
Boyen, H.-G., see Gantner, G. 205–207 (1996) 490
Bradbury, C.R., see MacFarlane, D.R. 213–214 (1997) 199
Braglia, M., C. Bruschi, D. Cavalli, G. Cocito, D. Guojun, J. Kraus and S. Mosso, Rheology of fluoride glasses 213–214 (1997) 325
Braglia, M., D. Guojun, G. Cocito, J. Kraus and S. Mosso, Effect of YF_3 and InF_3 incorporation on ZBLALi glasses containing high levels of PbF_2 213–214 (1997) 44
Braglia, M., J. Kraus and S. Mosso, Core/clad compositions with high numerical aperture for single-mode fluoride fibres 201 (1996) 237
Braglia, M., see Baricco, M. 213–214 (1997) 79
Bräuer, G., J. Szczyrbowski and G. Teschner, New approaches for reactive sputtering of dielectric materials on large scale substrates 218 (1997) 19
Bräuer, G., see Szczyrbowski, J. 218 (1997) 262
Bräuer, G., see Szczyrbowski, J. 218 (1997) 25
Brauer, S., see Brüning, R. 205–207 (1996) 540
Brazhkin, V.V., A.G. Lyapin, O.V. Stalgorova, E.L. Gromnitskaya, S.V. Popova and O.B. Tsiok, On the nature of amorphous-to-amorphous and crystal-to-amorphous transitions under high pressure 212 (1997) 49
Breiter, M.W., see Wasiucionek, M. 220 (1997) 52
Brendel, R., A. Gier, M. Mennig, H. Schmidt and J.H. Werner, Sol–gel coatings for light trapping in crystalline thin film silicon solar cells 218 (1997) 391
Bretonnet, J.-L., see Jakse, N. 205–207 (1996) 434
Brinker, C.J., see Prabakar, S. 202 (1996) 53
Brisard, F., see Costantini, J.M. 216 (1997) 36
Brito, G.E.S., C.V. Santilli, S.H. Pulcinelli and A.F. Craievich, SAXS measurements of the porosity in Cu(II)-doped SnO_2 xerogels during crystallization 217 (1997) 41
Brito Cruz, C.H., see Barbosa, L.C. 219 (1997) 205
Broquin, J.E., see Gao, Y. 213–214 (1997) 137
Broquin, J.E., see Josse, E. 213–214 (1997) 152
Bros, J.P., see Hayer, E. 205–207 (1996) 312
Brouers, F., see Mathieu, B. 212 (1997) 250
Brow, R.K., see Sidebottom, D.L. 203 (1996) 300
Brow, R.K., see Yu, X. 215 (1997) 21
Brown, R.M., see Hobson, P.R. 213–214 (1997) 147
Brucker, F., see Graf, W. 218 (1997) 380
Brückner, R. and J. Deubener, Description and interpretation of the two phase flow behaviour of melts with suspended crystals 209 (1997) 283
Brückner, R., J. Murach and S. Hao, Generation and relaxation of flow birefringence of high-viscous alkali phosphate glass melts 208 (1996) 228
Brückner, R., see Deubener, J. 209 (1997) 96
Brückner, R., see Deubener, J. 219 (1997) 57
Brückner, R., see Murach, J. 204 (1996) 282
Brückner, R., see Murach, J. 211 (1997) 250
Brückner, R., see Murach, J. 217 (1997) 92
Brückner, R., see Yue, Y. 202 (1996) 253
Brüggemann, R., see Mohring, H.-D. 210 (1997) 306
Brüning, R. and M. Sutton, Fragility of glass-forming systems and the width of the glass transition 205–207 (1996) 480
Brüning, R., A. Zaluska, M. Sutton, J.O. Ström-Olsen and S. Brauer, Crystallization of near-eutectic Co–Zr alloys and the formation and fast decay of a bcc $Co_{92}Zr_8$ solid solution 205–207 (1996) 540
Brunsch, S., see Dubiel, M. 220 (1997) 30
Brusatin, G., M. Guglielmi, P. Innocenzi, A. Martucci, G. Battaglin, S. Pelli and G. Righini, Microstructural and optical properties of sol–gel silica–titania waveguides 220 (1997) 202
Bruschi, C., see Braglia, M. 213–214 (1997) 325
Bruton, W.D., see Naugle, D.G. 205–207 (1996) 17
Buchanan, J.L. and C. McKown, Off-line sheet glass coating system 218 (1997) 179
Buchmayer, G., E. Rädlein, G.H. Frischat, W. Beier and B. Speit, Paramagnetic centers in glasses induced by low earth orbit space radiation 204 (1996) 253

Buckermann, W.A., W. Müller-Warmuth and C. Mundus, Multinuclear MAS-NMR studies of Al_2O_3–B_2O_3–P_2O_5 glasses 208 (1996) 217

Budaguan, B.G., A.A. Aivazov and A.Yu. Sazonov, Calorimetric investigation of structural processes in porous silicon 204 (1996) 169

Budaguan, B.G., D.A. Stryahilev and A.A. Aivazov, Optical properties, statistics of bond angle deformations and density of states in Si-rich a-SiN_x:H alloys 210 (1997) 267

Bullock, S.R., B.R. Reddy, C.L. Pope and S.K. Nash-Stevenson, Yellow to violet energy upconversion in Nd^{3+} doped oxide glass 212 (1997) 85

Bunde, A., see Davidson, J.E. 203 (1996) 246

Bunimovich, D., see Nagli, L. 217 (1997) 208

Bunker, G., see Yang, D.S. 210 (1997) 275

Buontempo, U., P. Postorino and M. Nardone, Absorption edge in liquid iodine under pressure 205–207 (1996) 110

Bürgler, D.E., see Schaub, T.M. 205–207 (1996) 748

Burian, A., P. Lecante, A. Mosset, J. Galy, J.M. Tonnerre and D. Raoux, Differential anomalous X-ray scattering studies of amorphous $Cd_{59}As_{41}$ and $Cd_{26}As_{74}$ 212 (1997) 23

Burkhard, D.J.M. and G. Nachtegaal, Nucleation and growth behavior of lithium disilicate at pressures to 0.5 GPa investigated by NMR spectroscopy 209 (1997) 299

Burkov, A.T., C. Gladun, A. Heinrich, W. Pitschke and J. Schumann, Phase formation and transport properties in amorphous and nanocrystalline Cr_xSi_{1-x} and Re_xSi_{1-x} thin films 205–207 (1996) 737

Burkov, A.T., D.A. Kolgunov, K. Hoag and J. Van Zytveld, Thermopower and electrical resistivity of liquid and crystalline Dy and Ho at temperatures 300–2000 K 205–207 (1996) 332

Burlet, H., see Duffrène, L. 215 (1997) 208

Burlitch, J.M., see Agladze, N.I. 203 (1996) 37

Burneau, A., J. Lepage and G. Maurice, Porous silica–water interactions. I. Structural and dimensional changes induced by water adsorption 217 (1997) 1

Burneau, A., see Lepage, J. 217 (1997) 11

Buzaré, J.Y., see Boussard-Plédel, C. 209 (1997) 247

Bychkov, E., V. Tsegelnik, Yu. Vlasov, A. Pradel and M. Ribes, Percolation transition in Ag-doped germanium chalcogenide-based glasses: conductivity and silver diffusion results 208 (1996) 1

Cabral Jr., A.A., C. Fredericci and E.D. Zanotto, A test of the Hrubÿ parameter to estimate glass-forming ability 219 (1997) 182

Caccavale, F., R. Coppola, A. Menelle, M. Montecchi, P. Polato and G. Principi, Characterisation of SnO_x films on architectural glass by neutron reflectometry, SIMS, CEMS and spectrophotometry 218 (1997) 291

Caccavale, F., see Bogomolova, L.D. 202 (1996) 178

Caccavale, F., see Bogomolova, L.D. 202 (1996) 185

Caccavale, F., see Bogomolova, L.D. 210 (1997) 101

Caccavale, F., see Bogomolova, L.D. 220 (1997) 109

Calvayrac, Y., see Lyonnard, S. 205–207 (1996) 11

Campbell, J.A., see FitzGerald, S.A. 203 (1996) 165

Campbell, J.A., see Tu, J. 203 (1996) 153

Campostrini, R., see Fontana, A. 212 (1997) 292

Can, N., see Lamouroux, F. 212 (1997) 232

Canales, M., A. Giró and J.À. Padró, Molecular dynamics simulation of Li–Mg and Li–Na alloys 205–207 (1996) 907

Candelier, P., F. Mondon, B. Guillaumot, G. Reimbold and F. Martin, Hole trapping in flash EEPROM gate oxide and damages induced by gate to source erasing 216 (1997) 162

Candelier, P., see Nebel, F. 216 (1997) 168

Canioni, L., see Fargin, E. 203 (1996) 96

Cannas, M., R. Boscaino, F.M. Gelardi and M. Leone, Stationary and time dependent PL emission of v-SiO_2 in the UV range 216 (1997) 99

Cannas, M., see Leone, M. 216 (1997) 105

Cao, X., see Koltypin, Yu. 201 (1996) 159

Capron, N., A. Lagraa, S. Carniato and G. Boureau, Problems encountered in the simulation of defects in silica and its interfaces 216 (1997) 10

Carbonaro, C.M., see Anedda, A. 216 (1997) 19

Cardinal, T., see Fargin, E. 203 (1996) 96

Carl, G., see Habelitz, S. 220 (1997) 291

Carniato, S., see Capron, N. 216 (1997) 10

Carniglia, C.K., see Lehan, J.P. 218 (1997) 62

Carreño, M.N.P., see Pereyra, I. 201 (1996) 110

Carson, S.W. and V.D. Papanu, Improved mechanical performance of flat glass components through application of strength-increasing coatings 218 (1997) 169

Carter, M.M.C., N.S. McIntyre, H.W. King and A.R. Pratt, The aging of silicate glass surfaces in humid air 220 (1997) 127

Carturan, G., see Fontana, A. 212 (1997) 292

Castro, C., see Chaboy, J. 212 (1997) 11

Catauro, M., see Pernice, P. 210 (1997) 23

Cattaruzza, E., see Bogomolova, L.D. 210 (1997) 101

Catunda, T., M.L. Baesso, Y. Messaddeq and M.A. Aegerter, Time-re-

solved Z-scan and thermal lens measurements in Er^{+3} and Nd^{+3} doped fluoroindate glasses 213–214 (1997) 225
Catunda, T., see Baesso, M.L. 219 (1997) 165
Cavalli, D., see Braglia, M. 213–214 (1997) 325
Cazzanelli, E., G. Mariotto, S. Passerini and W.H. Smyrl, Raman spectroscopic investigations of Li-intercalated V_2O_5 xerogel 208 (1996) 89
Céolin, R., see Gaspard, J.-P. 205–207 (1996) 75
Ceperley, D.M., see Senatore, G. 205–207 (1996) 851
Černošek, Z., see Frumar, M. 213–214 (1997) 215
Cerofolini, G.F. and L. Meda, Mechanisms and kinetics of room-temperature silicon oxidation 216 (1997) 140
Cerqua-Richardson, K., see Hach, C.T. 209 (1997) 159
Cesar, C.L., see Barbosa, L.C. 219 (1997) 205
Chaboy, J. and C. Castro, EXAFS and XANES characterization of polymer coordination Schiff-base Co-containing complexes 212 (1997) 11
Chacón, E., J.P. Hernandez and P. Tarazona, Calculated structure, phase coexistence, and electrical conductivity of the alkali fluids 205–207 (1996) 251
Chacón, E., see Velasco, E. 205–207 (1996) 897
Champagnon, B., see Chemarin, C. 216 (1997) 111
Chand, I., see Prakash, D. 204 (1996) 46
Chand, P., see Prakash, D. 204 (1996) 46
Chang, M.-Y., see Shiu, F.-M. 209 (1997) 61
Chao, Y.D., see Jen, S.U. 205–207 (1996) 612
Chao Chen, W., L.-A. Hamel and A. Yelon, Monte Carlo simulations of Meyer–Neldel effect on carrier time-of-flight in a-Si:H 220 (1997) 254
Chaussedent, S., see Sbetti, M. 220 (1997) 217
Checchetto, R., L.M. Gratton, A. Miotello and C. Tosello, Deuterium permeation through SiO_2 thin film deposited on stainless steel substrate 216 (1997) 65
Chechetkina, E.A., Key distinctions in activation parameters of viscous flow for 'strong' and 'fragile' glass-forming liquids 201 (1996) 146
Chemarin, C., B. Champagnon and G. Panczer, Effect of fictive temperature on medium range order in v-SiO_2 216 (1997) 111
Chen, G., J. Cheng and W. Chen, Effect of Si_3N_4 on chemical durability of chalcogenide glass 220 (1997) 249
Chen, G., J. Cheng and W. Chen, Effects of nitrides on the IR transmitting properties of chalcogenide glasses 215 (1997) 301
Chen, G., see Shen, H. 220 (1997) 231
Chen, G.L., see Liu, K.W. 215 (1997) 140
Chen, L., see Shen, J. 220 (1997) 102
Chen, M.-H., see Shiu, F.-M. 209 (1997) 61
Chen, S.-w., M.-h. Lin, B.-r. Shie and J.-l. Wang, Interfacial reactions in As–Se/Zn 220 (1997) 243
Chen, W., see Chen, G. 215 (1997) 301
Chen, W., see Chen, G. 220 (1997) 249
Chen, Y., see Gan, F. 213–214 (1997) 261
Chen, Y., see Guo, G. 201 (1996) 262
Chen, Y.G. and B.X. Liu, Observation of ion-induced alloy phase formation in an immiscible Y–Ta system 217 (1997) 308
Cheng, J., see Chen, G. 215 (1997) 301
Cheng, J., see Chen, G. 220 (1997) 249
Cheng, J., see Shen, H. 220 (1997) 231
Cheng, K., J. Wan and K. Liang, Isothermal DTA study on crystallization of mica composition-based glass 215 (1997) 134
Cheong, K.-I., D.-M. Zhu and E.W. Hellmuth, Thermal transport in a glassy polymer after being compressed at high pressure 204 (1996) 158
Chevalier, B., see Pajonk, G.M. 210 (1997) 224
Chieux, P., J. Dupuy-Philon, J.-F. Jal and J.-B. Suck, Temperature dependence of the collective atomic dynamics of liquid rubidium 205–207 (1996) 370
Chihara, J., see Kambayashi, S. 205–207 (1996) 914
Chiriac, H., Gh. Pop, F. Barariu, T.A. Óvári and M. Tomuţ, Magnetization processes in amorphous FeSiB glass covered wires 205–207 (1996) 687
Chiriac, H., M. Tomut and M. Grigorica, On the viscosity near the melting point of some liquid glass-forming transition metal alloys 205–207 (1996) 504
Chmel, A., T. Pesina and V.S. Shashkin, Structural correlation and structural relaxation at the final stage of gel-to-glass transition in silica 210 (1997) 254
Cho, D.-H., K. Hirao, N. Soga and M. Nogami, Photochemical hole burning in Sm^{2+}-doped aluminosilicate and borosilicate glasses 215 (1997) 192
Cho, J.P., see Kim, K.H. 211 (1997) 112
Cho, W.Y., see Heo, J. 212 (1997) 151
Cho, W.Y., see Kim, Y.S. 203 (1996) 176
Cho, W.Y., see Shin, Y.B. 208 (1996) 29
Choi, S.-Y., see Song, S.-M. 217 (1997) 79
Choi, Y.G. and J. Heo, 1.3 μm emission and multiphonon relaxation phenomena in $PbO–Bi_2O_3–Ga_2O_3$ glasses doped with rare-earths 217 (1997) 199
Choi, Y.S., see Lee, M. 211 (1997) 143
Chryssikos, G.D., E.I. Kamitsos and A.P. Patsis, Effect of Li_2SO_4 on the structure of $Li_2O–B_2O_3$ glasses 202 (1996) 222
Chryssikos, G.D., M.S. Bitsis, J.A. Kapoutsis and E.I. Kamitsos, Vibrational investigation of lithium

metaborate–metaaluminate glasses and crystals 217 (1997) 278
Chryssikos, G.D., see Jain, H. 203 (1996) 320
Chuang, I.-S., see El-Nahhal, I.M. 208 (1996) 105
Chuang, I.-S., see Yang, J.J. 209 (1997) 19
Chuang, I.-S., see Yang, J.J. 212 (1997) 281
Chudakov, A.E., see Vyatkin, G.P. 205–207 (1996) 563
Chung, S.J., see Yoon, Y.K. 203 (1996) 195
Chung, W.J., see Heo, J. 212 (1997) 151
Chuvaeva, T.I., see Kang, U. 204 (1996) 151
Citrin, P.H., see Niu, L. 213–214 (1997) 358
Claes, P., see Tilquin, J.-Y. 211 (1997) 95
Clare, A.G., A.C. Wright and R.N. Sinclair, A Comparison of the structural role of Na^+ network modifying cations in sodium silicate and sodium fluoroberyllate glasses 213–214 (1997) 321
Claußen, O. and C. Rüssel, Self diffusion of polyvalent ions in a borosilicate glass melt 215 (1997) 68
Claußen, O. and C. Rüssel, Thermodynamics of various polyvalent main group elements in a borosilicate glass melt 209 (1997) 292
Clementi, C., see Ghidini, G. 216 (1997) 198
Cliff, T., see Hobson, P.R. 213–214 (1997) 147
Cocito, G., see Baricco, M. 213–214 (1997) 79
Cocito, G., see Braglia, M. 213–214 (1997) 325
Cocito, G., see Braglia, M. 213–214 (1997) 44
Cockerill, D.J.A., see Hobson, P.R. 213–214 (1997) 147
Coddens, G., see Lyonnard, S. 205–207 (1996) 11
Colmenares, C., see Connor, M.W. 201 (1996) 76
Colombo, L., see Bongiorno, A. 216 (1997) 30
Colombo, L., see Trioni, M.I. 220 (1997) 164
Colomer, M.T. and J.R. Jurado, Preparation and characterization of gels of the ZrO_2–Y_2O_3–RuO_2 system 217 (1997) 48
Commers, D., see De Witte, B.M. 202 (1996) 35
Condrate, Sr, R.A., see Ahmed, A.A. 210 (1997) 59
Condrate, Sr., R.A., see Moss, R.W. 218 (1997) 105
Connor, M.W. and C. Colmenares, X-ray photoelectron characterization of SiO_2 aerogel 201 (1996) 76
Conradi, M.S., see Stoddard, R.D. 205–207 (1996) 203
Cooper, A.R., see Angel, P.W. 203 (1996) 286
Coppola, R., see Caccavale, F. 218 (1997) 291
Corni, F., A. Monelli, G. Ottaviani, R. Tonini, G. Queirolo and L. Zanotti, Radiation enhanced transport of hydrogen in SiO_2 216 (1997) 71
Corpino, R., see Anedda, A. 216 (1997) 19
Cossy-Favre, A., H.-G. Boyen, P. Oelhafen, Ch. Becker and J. Hafner, Electronic structure of amorphous Fe_xY_{100-x} alloys 205–207 (1996) 587
Cossy-Favre, A., see Boyen, H.-G. 205–207 (1996) 776
Costa, B.J., see Soufiane, A. 213–214 (1997) 85
Costa, T.M.H., M.R. Gallas, E.V. Benvenutti and J.A.H. da Jornada, Infrared and thermogravimetric study of high pressure consolidation in alkoxide silica gel powders 220 (1997) 195
Costantini, J.M., F. Brisard, G. Biotteau and L. Protin, Luminescence of SiO_2 quartz induced by swift heavy ion irradiations 216 (1997) 36
Courtial, P., see Richet, P. 211 (1997) 271
Coutures, J.-P., see Jaymes, I. 204 (1996) 125
Cowlam, N., Metallic glasses: structure and properties 205–207 (1996) 567
Craievich, A.F., see Barbosa, L.C. 219 (1997) 205
Craievich, A.F., see Brito, G.E.S. 217 (1997) 41
Craig, B.I. and R.J. Watson, Observation of a conducting filament within unhydrogenated amorphous silicon 217 (1997) 106
Cramer, C., see Armand, P. 205–207 (1996) 797
Crichton, S.N. and M. Tomozawa, Prediction of phase separation in binary borate glasses 215 (1997) 244
Cros, B., E. Gat and J.M. Saurel, Characterization of the elastic properties of amorphous silicon carbide thin films by acoustic microscopy 209 (1997) 273
Crowder, C.E., J.U. Otaigbe, M.A. Barger, R.L. Sammler, B.C. Monahan and C.J. Quinn, Melt crystallization of zinc alkali phosphate glasses 210 (1997) 209
Crum, J.V., see Rao, Q. 220 (1997) 17
Csencsits, R., see Armand, P. 205–207 (1996) 797
Culea, E. and I. Milea, Magnetic and optical properties of borate glasses containing uranium ions 208 (1996) 199
Cull, T.C., see Kelton, K.F. 204 (1996) 13
Cull, T.S., see Ray, C.S. 204 (1996) 1
Cumbo, M.J., see Mathew, J.G.H. 218 (1997) 342

Dai, Y.S., see Fu, J.K. 218 (1997) 403
Da Jornada, J.A.H., see Costa, T.M.H. 220 (1997) 195
Dalgiç, S., see González, L.E. 205–207 (1996) 901
Danesh, P., A. Toneva, I. Savatinova and E. Liarokapis, Correlations between structural and optoelectronic properties of a-Si:H grown by homogeneous chemical vapor deposition 204 (1996) 265
Danesh, P., see Bedikjan, L. 220 (1997) 261
Darrant, J.G., see Bergmann, R.B. 218 (1997) 388
Das, D., S.M. Iftiquar and A.K. Barua, Wide optical-gap a-SiO:H films prepared by rf glow discharge 210 (1997) 148
Das, D., S.N. Sharma and R. Banerjee, Device quality hydrogenated amorphous silicon films deposited at high growth rates 211 (1997) 229
Da Silva, B.J.P., see Vaz de Araújo, A.C. 219 (1997) 160
Dasmohapatra, G.K., On $^3P_1$ ($^3P_0$) emission of Pr^{3+} in calcium metaphosphate glass 217 (1997) 224

Datta, A., see Sato, H. 203 (1996) 306
Datta, R., see Machewirth, D.P. 213–214 (1997) 295
Daube, C., see Latz, R. 218 (1997) 329
Davidović, M., see Tomić, P. 204 (1996) 32
Davidson, J.E., M.D. Ingram, A. Bunde and K. Funke, Ion hopping processes and structural relaxation in glassy materials 203 (1996) 246
Davidson, K., see Uhlmann, D.R. 218 (1997) 113
Davis, K.M. and M. Tomozawa, An infrared spectroscopic study of water-related species in silica glasses 201 (1996) 177
Davis, K.M., A. Agarwal, M. Tomozawa and K. Hirao, Quantitative infrared spectroscopic measurement of hydroxyl concentrations in silica glass 203 (1996) 27
Davis, M.J., P.D. Ihinger and A.C. Lasaga, Influence of water on nucleation kinetics in silicate melt 219 (1997) 62
Day, D.E., see Kang, S. 220 (1997) 299
Day, D.E., see Ray, C.S. 204 (1996) 1
Day, D.E., see Yu, X. 215 (1997) 21
De, G., A. Licciulli and M. Nacucchi, Uniformly dispersed Pr^{+3} doped silica glass by the sol–gel process 201 (1996) 153
De, G., M. Epifani and A. Licciulli, Copper-ruby monoliths by the sol–gel process 201 (1996) 250
De Araújo, C.B., see de S. Menezes, L. 213–214 (1997) 256
De Barros Brasil, V. and E. Meyer, Test of the adiabatic nucleation theory in metallic and chalcogenide glasses 219 (1997) 75
De Biasi, R.S., see dos Santos, D.S. 210 (1997) 136
Deckwerth, M. and C. Rüssel, Crystallization of oxynitride glasses in the system Mg–Ca–Al–Si–O–N prepared with the aid of a polymeric precursor 217 (1997) 55
Deckwerth, M. and C. Rüssel, Oxynitride glasses in the system Mg–Ca–Al–Si–O–N prepared with the aid of a polymeric precursor: preparation and properties 217 (1997) 66
Deckwerth, M., see Schneider, M. 215 (1997) 201
Decréton, M., see Deparis, O. 216 (1997) 124
Decroupet, D., J.M. Depauw and D. André, Development of new coated glasses assisted by a computer program 218 (1997) 368
De Guire, M.R., see Angel, P.W. 203 (1996) 286
De Hey, P., J. Sietsma and A. van den Beukel, Anelastic relaxation in amorphous $Pd_{40}Ni_{40}P_{20}$ studied with elongation and electrical resistance measurements 205–207 (1996) 696
Dejneka, M., E. Snitzer and R.E. Riman, Spectroscopic characterization of Eu^{3+}-doped inorganic and alkoxide sol–gel derived fluorozirconate glass and zirconium fluoride gels 202 (1996) 23
De Jong, M., J. Sietsma, M.Th. Rekveldt, B.P. Toperverg, V.V. Deriglazov, V.V. Runov, A.I. Okorokov, H. Eckerlebe and R. Kampmann, The relation between structural relaxation and the spin dynamics in amorphous $Fe_{40}Ni_{40}B_{20}$ 205–207 (1996) 645
De la Bardonnie, M., A. Maouad and P. Mialhe, Silicon oxide defects in aging of MOS electronic devices 216 (1997) 209
Delaval, R., see Montagne, L. 215 (1997) 1
Delaye, J.M., V. Louis-Achille and D. Ghaleb, Modeling oxide glasses with Born–Mayer–Huggins potentials: Effect of composition on structural changes 210 (1997) 232
Delben, A.A.S.T., J.R.J. Delben and A.R. Salvetti, Preparation of vitreous multicomponent fluoride films 213–214 (1997) 113
Delben, J.R.J., see Delben, A.A.S.T. 213–214 (1997) 113
Della Volpe, C., S. Dirè and E. Pagani, A comparative analysis of surface structure and surface tension of hybrid silica films 209 (1997) 51
Delugeard, Y., see Matecki, M. 213–214 (1997) 409
DeMarco, M., see Moss, R.W. 218 (1997) 105
De Mello Donegá, C., see Vaz de Araújo, A.C. 219 (1997) 160
De Mello Jr., R.P., see Vaz de Araújo, A.C. 219 (1997) 160
De Miranda, P.E.V., see dos Santos, D.S. 210 (1997) 136
Demiryont, H., see Macrelli, G. 218 (1997) 296
De Moraes, F., see Deubener, J. 219 (1997) 57
Deng, P., see Yin, H. 210 (1997) 243
Denissen, K., see Köstlin, H. 218 (1997) 347
Dénoue, E., see Azkargorta, J. 213–214 (1997) 271
De Oliveira, C.R.M., see Barbosa, L.C. 219 (1997) 205
Deparis, O., D.L. Griscom, P. Mégret, M. Decréton and M. Blondel, Influence of the cladding thickness on the evolution of the NBOHC band in optical fibers exposed to gamma radiations 216 (1997) 124
De Paula, A.M., see Barbosa, L.C. 219 (1997) 205
Depauw, J.M., see Decroupet, D. 218 (1997) 368
Deriglazov, V.V., see de Jong, M. 205–207 (1996) 645
Deroide, B., see El Mkami, H. 208 (1996) 21
De Sá, G.F., see Vaz de Araújo, A.C. 219 (1997) 160
Descôtes, L., see Ibanez, A. 202 (1996) 248
Descôtes, L., see Klein, H. 205–207 (1996) 6
Deshkovskaya, A.A., see Bogomolova, L.D. 202 (1996) 185
De S. Menezes, L., C.B. de Araújo, Y. Messaddeq and M.A. Aegerter, Fre-

quency upconversion in Nd^{3+}-doped fluoroindate glass 213–214 (1997) 256
De Tommasis, R., see Bordoni, F. 216 (1997) 180
Deubener, J. and R. Brückner, Influence of nucleation and crystallisation on the rheological properties of lithium disilicate melt 209 (1997) 96
Deubener, J., F. de Moraes and R. Brückner, Anomalous birefringence in nucleated $Li_2O \cdot 2SiO_2$ and $Na_2O \cdot 2CaO \cdot 3SiO_2$ glass melts 219 (1997) 57
Deubener, J., Z.A. Osborne and M.C. Weinberg, Determination of the liquid–liquid surface energy in phase separating glasses 215 (1997) 252
Deubener, J., see Brückner, R. 209 (1997) 283
Deutsch, M., see Regan, M.J. 205–207 (1996) 762
Devi, P.S., H.D. Gafney, V. Petricevic and R.R. Alfano, Synthesis and spectroscopic properties of (Cr^{4+}) doped sol–gels 203 (1996) 78
Devine, R.A.B., see Girault, V. 216 (1997) 55
Devine, R.A.B., see Vanheusden, K. 216 (1997) 116
Devitsin, E., see Dmitruk, L. 213–214 (1997) 311
De Witte, B.M., D. Commers and J.B. Uytterhoeven, Distribution of organic groups in silica gels prepared from organo-alkoxysilanes 202 (1996) 35
Dhamelincourt, P., see Gnado, J. 208 (1996) 247
Dhananjaya Rao, E., see Lakshmana Rao, J. 202 (1996) 215
Dianov, E.M., V.O. Sokolov and V.B. Sulimov, Calculation of soft atomic potentials caused by three-center bonds in silica glass 211 (1997) 197
Di Cicco, A. and A. Filipponi, Local $g(r)$ properties in liquids probed by high-temperature EXAFS 205–207 (1996) 304
Dickinson Jr., J.E., see Ponader, C.W. 201 (1996) 81
Didoukh, V., see Vollmann, J. 205–207 (1996) 408
Dieckhöfer, J., see Kanert, O. 203 (1996) 252
Di Giacomo, A., see Bordoni, F. 216 (1997) 180
Di Giacomo, A., see Santucci, S. 216 (1997) 156
Dikova, J., see Starbova, K. 210 (1997) 261
Dimitriev, Y., see Iordanova, R. 204 (1996) 141
Dimitrov, V., see Iordanova, R. 204 (1996) 141
Ding, B.Z., see Yao, B. 205–207 (1996) 554
Ding, B.Z., see Yao, B. 217 (1997) 317
Ding, Y., N. Masuda, Y. Miura and A. Osaka, Preparation of polar oriented $Sr_2TiSi_2O_8$ films by surface crystallization of glass and second harmonic generation 203 (1996) 88
Diniz, R.E.O., S.J.L. Ribeiro, Y. Messaddeq, G. Ghiselli and L.A. Nunes, Crystallization of fluorindate and fluorogallate glasses 219 (1997) 187
Dirè, S., see Della Volpe, C. 209 (1997) 51
Dmitriev, S.A., see Bogomolova, L.D. 210 (1997) 101
Dmitruk, L., N. Vinogradova, V. Kozlov, V. Machov, E. Devitsin and V. Fyodorov, Scintillating HfF_4-based glasses doped cerium chloride and cerium oxide compounds 213–214 (1997) 311
Dmitryuk, A.V., S.E. Paramzina, A.S. Perminov, N.D. Solov'eva and N.T. Timofeev, The influence of glass composition on the properties of silver-doped radiophotoluminescent phosphate glasses 202 (1996) 173
Dmitryuk, A.V., see Syutkin, V.M. 220 (1997) 280
Dmowski, K. and A. Halimaoui, The influence of quantum effects on the determination of gate oxide thickness from C–V measurements 216 (1997) 185
Dobreva, A. and I. Gutzow, Kinetics of vitrification under electric fields 220 (1997) 235
Dobreva, A., I. Gutzow and J. Schmelzer, Stress and time dependence of relaxation and the Kohlrausch stretched exponent formula 209 (1997) 257
Dobreva, A., see Gutzow, I. 215 (1997) 313
Dobreva, A., see Gutzow, I. 219 (1997) 1
Donatti, D.A. and D.R. Vollet, Effects of HCl on the ultrasound catalyzed TEOS hydrolysis as determined by a calorimetric study 208 (1996) 99
Donatti, D.A. and D.R. Vollet, Study of the hydrolysis of TEOS–TMOS mixtures under ultrasound stimulation 204 (1996) 301
Dong, D., Z. Bo and J. Zhu, Evaluation of the stability of GdF_3-containing fluorozirconate glasses by differential scanning calorimetry 208 (1996) 282
Dong, D., Z. Bo, J. Zhu and F. Ma, Study of properties of InF_3-based glasses containing different valent fluorides 204 (1996) 260
Dong, D., see Zhu, J. 201 (1996) 47
Dong, J. and H.D. Gafney, Fabrication and patterning surface conductive porous glass 203 (1996) 329
Dong, J., see Kawakita, Y. 205–207 (1996) 447
Dong, Z.F., see Lück, R. 205–207 (1996) 811
Doremus, R., see Rao, P. 203 (1996) 202
Dos Santos, D.S., R.S. de Biasi and P.E.V. de Miranda, Hydrogen permeation through amorphous and crystalline $Ni_{81}P_{19}$ ribbons 210 (1997) 136
Dotsenko, A., S. Kuchinsky and M. Prassas, Mathematical modeling of spectral selective absorption and reflection of light by metal–dielectric composites 218 (1997) 317

Doupovec, J., see Mikloš, P. 209 (1997) 137
Douy, A., see Jaymes, I. 204 (1996) 125
Downes, H., see MacFarlane, D.R. 213–214 (1997) 116
Downing, E.A., see Akella, A. 213–214 (1997) 1
Dubiel, M., S. Brunsch, U. Kolb, D. Gutwerk and H. Bertagnolli, Experimental studies investigating the structure of soda–lime glasses after silver–sodium ion exchange 220 (1997) 30
Dubuc, J.P., see Auriel, G. 220 (1997) 157
Ducasse, A., see Fargin, E. 203 (1996) 96
Ducasse, L., see Fargin, E. 203 (1996) 96
Dücker, H., Th. Koslowski, W. von Niessen, M.A. Tusch and D.E. Logan, The metal–insulator transition in disordered tungsten bronzes. Results of an Anderson–Mott–Hubbard model 205–207 (1996) 32
Duffrène, L. and R. Gy, Viscoelastic constants of a soda–lime–silica glass 211 (1997) 30
Duffrène, L., R. Gy, H. Burlet and R. Piques, Viscoelastic behavior of a soda–lime–silica glass: inadequacy of the KWW function 215 (1997) 208
Dufour, G., see Rochet, F. 216 (1997) 148
Dugain, F., see Mihalkovic, M. 205–207 (1996) 701
Dugnoille, B., see Dumont, E. 218 (1997) 307
Duhamel-Henry, N., see Adam, J.L. 213–214 (1997) 245
Duhamel-Henry, N., see Binnemans, K. 204 (1996) 178
Dumont, E. and B. Dugnoille, In situ characterization of chemically deposited nickel thin films on float glass by ellipsometry 218 (1997) 307
Dunken, H., see Hobert, H. 220 (1997) 187
Dunken, H.H., see Herrmann, U. 204 (1996) 273
Dunlap, C., see Zhang, P. 204 (1996) 294
Dunn, B., see Miller, J.M. 202 (1996) 279
Dupree, R., see Wootton, A.M. 204 (1996) 217
Dupuy-Philon, J., see Chieux, P. 205–207 (1996) 370
Durán, A., see Villegas, M.A. 218 (1997) 146
Durand, J.-M., P.E. Lippens, J. Olivier-Fourcade, J.-C. Jumas and M. Womes, Sulfur K-edge XAS study of As_2S_3–Sb_2S_3–Tl_2S glasses 208 (1996) 36
Dürrwächter, M., G. Indlekofer, H.-G. Boyen, P. Oelhafen and D. Quitmann, Angular momentum of conduction electron states 205–207 (1996) 322
Durschang, B., see Gutzow, I. 215 (1997) 313
Dutta, V., see Murthy, R.V.R. 204 (1996) 92
Duveiller, P., see Tilquin, J.-Y. 211 (1997) 95
Duverger, C., M. Bouazaoui and S. Turrell, Raman spectroscopic investigations of the effect of the doping metal on the structure of binary tellurium-oxide glasses 220 (1997) 169
Dymnikov, A.A. and A.K. Przhevuskii, Classification of Stark structure in spectra of Nd-doped glasses 215 (1997) 83
Dymshits, O.S., see Kang, U. 204 (1996) 151

Ebeling, P., see Khalilev, V.D. 204 (1996) 196
Ebendorff-Heidepriem, H. and D. Ehrt, Spectroscopic properties of Eu^{3+} and Tb^{3+} ions for local structure investigations of fluoride phosphate and phosphate glasses 208 (1996) 205
Eberle, A. and A. Reich, Angle-dependent dip-coating technique (ADDC): an improved method for the production of optical filters 218 (1997) 156
Eckerlebe, H., see de Jong, M. 205–207 (1996) 645
Eckert, H., see Gee, B. 215 (1997) 32
Eckert, H., see Gee, B. 215 (1997) 41
Eckert, H., see Witschas, M. 215 (1997) 226
Eckert, J., M. Seidel and L. Schultz, Formation of amorphous alloys with significant supercooled liquid region by mechanical alloying 205–207 (1996) 500
Eckert, J., see Seidel, M. 205–207 (1996) 514
Eckert, J., see Stiller, C. 205–207 (1996) 620
Edgar, A., Strong red-light scattering from colloidal copper in ZBLAN fluoride glass 220 (1997) 78
Edwards, A.M., see Nasu, T. 205–207 (1996) 527
Edwards, B.C., see Fajardo, J.C. 213–214 (1997) 95
Efimov, A.M., IR fundamental spectra and structure of pyrophosphate glasses along the $2ZnO \cdot P_2O_5$–$2Me_2O \cdot P_2O_5$ join (Me being Na and Li) 209 (1997) 209
Efimov, A.M., Quantitative IR spectroscopy: Applications to studying glass structure and properties 203 (1996) 1
Efimov, A.M., The IR spectra of non-oxide glasses of various types: Crucial differences and their origin 213–214 (1997) 205
Efimov, O.M., see Belykh, A.V. 213–214 (1997) 330
Egami, T., The atomic structure of aluminum based metallic glasses and universal criterion for glass formation 205–207 (1996) 575
Ehrt, D., see Ebendorff-Heidepriem, H. 208 (1996) 205
Einarsrud, M.-A., L. Rørmark, S. Hæreid and T. Grande, Effect of microstructure on thermal dehydroxylation of silica gels 211 (1997) 49
Einarsrud, M.-A., M.B. Kirkedelen, J. Samseth, K. Mortensen, T. Grande and S. Pedersen, Washing of multicomponent gels prior to drying 215 (1997) 169
Einarsrud, M.-A., see Aasland, S. 213–214 (1997) 341
Einarsrud, M.-A., see Hæreid, S. 204 (1996) 228
Einarsrud, M.-A., see Scherer, G.W. 202 (1996) 42

El-Fouly, M.H., see Kotkata, M.F. 205–207 (1996) 176
El-Nahhal, I.M., J.J. Yang, I.-S. Chuang and G.E. Maciel, Synthesis and solid-state NMR structural characterization of polysiloxane-immobilized thiol and thiol–amine ligands 208 (1996) 105
El-Nahhal, I.M., see Yang, J.J. 204 (1996) 105
El-Nahhal, I.M., see Yang, J.J. 209 (1997) 19
El-Nahhal, I.M., see Yang, J.J. 212 (1997) 281
Elaloui, E., see Pajonk, G.M. 210 (1997) 224
Elliott, S.R., see Kawaguchi, T. 202 (1996) 107
Elliott, S.R., see Kawaguchi, T. 204 (1996) 83
Elliott, S.R., see Kawaguchi, T. 211 (1997) 187
Elliott, S.R., see Kawaguchi, T. 212 (1997) 166
El Mallawany, R., see Sidkey, M.A. 215 (1997) 75
El Mkami, H., B. Deroide, J.V. Zanchetta, P. Rumori and N. Abidi, Electron paramagnetic resonance study of Mn^{2+} and Cu^{2+} spin probes in $(Ag_2S)_x(GeS_2)_{1-x}$ glasses 208 (1996) 21
Emery, J., see Boussard-Plédel, C. 209 (1997) 247
Emery, J., see Kliava, J. 202 (1996) 205
Emonds, M., see Schicht, H. 218 (1997) 210
Enciso, E., see Gonzalez, M.A. 205–207 (1996) 285
Enderby, J.E., The metal–nonmetal transition in liquid alloys 205–207 (1996) 28
Enderby, J.E., see Ohno, S. 205–207 (1996) 98
Endo, H., see Hoshino, H. 205–207 (1996) 43
Endo, H., see Ikemoto, H. 205–207 (1996) 347
Endo, H., see Kawakita, Y. 205–207 (1996) 447
Endo, H., see Nagaya, K. 205–207 (1996) 807
Endo, H., see Ohmasa, Y. 205–207 (1996) 57
Endo, H., see Yamamoto, I. 205–207 (1996) 728
Endo, H., see Yao, M. 205–207 (1996) 270
Endo, H., see Yao, M. 205–207 (1996) 274
Endo, H., see Yao, M. 205–207 (1996) 85
Endo, M., see Usuki, T. 205–207 (1996) 184
Endo, T., see Koura, N. 205–207 (1996) 650
Endres, K., see Mennig, M. 218 (1997) 373
Endud, S., see Hamdan, H. 211 (1997) 126
Engholm, J.R., C.W. Rella, H.A. Schwettman and U. Happek, Vibrational relaxation of D_2O in As_2S_3 203 (1996) 182
Epifani, M., see De, G. 201 (1996) 250
Epstein, R.I., see Fajardo, J.C. 213–214 (1997) 95
Erukhimovitch, V. and J. Baram, A model for non-isothermal crystallization kinetics 208 (1996) 288
Esquivias, L. and M. Ramirez Del Solar, Short-range order of titania doped silica sono-aerogel 220 (1997) 45
Esser, J., see Schicht, H. 218 (1997) 210
Etsell, T.H., see Stanić, V. 220 (1997) 58
Even, J., see Matecki, M. 213–214 (1997) 409
Ewen, P.J.S., see Wagner, T. 212 (1997) 157
Ewen, P.J.S., see Zekak, A. 202 (1996) 122

Faber, A.J., see Tikhomirov, V.K. 213–214 (1997) 174
Fabian, H., see Humbach, O. 203 (1996) 19
Fajardo, J.C., G.H. Sigel Jr., B.C. Edwards, R.I. Epstein, T.R. Gosnell and C.E. Mungan, Electrochemical purification of heavy metal fluoride glasses for laser-induced fluorescent cooling applications 213–214 (1997) 95
Fama', F., see Grifoni, L. 216 (1997) 202
Fan, X., see Sun, J. 212 (1997) 192
Fantini, M.C.A., see Zeballos-Velásquez, E.L. 209 (1997) 175
Fargeot, D., see Lemercier, H. 201 (1996) 128
Farges, F., Coordination of Ti in crystalline and glassy fresnoites: A high-resolution XANES spectroscopy study at the Ti K-edge 204 (1996) 53
Fargin, E., A. Berthereau, T. Cardinal, G. Le Flem, L. Ducasse, L. Canioni, P. Segonds, L. Sarger and A. Ducasse, Optical non-linearity in oxide glasses 203 (1996) 96
Farmery, B.W., see Lamouroux, F. 212 (1997) 232
Farnan, I., see Zhang, P. 204 (1996) 294
Fasciani, L., see Bordoni, F. 216 (1997) 180
Faudot, F., see Xing, L.Q. 205–207 (1996) 597
Faupel, F., see Rätzke, K. 205–207 (1996) 607
Fazzini, D.R., see Yang, D.S. 210 (1997) 275
Fecht, H.-J., see Frankwicz, P.S. 205–207 (1996) 522
Fedosyuk, V.M. and J.M. Riveiro, Mössbauer study of the microstructure of electrodeposited $Co_{92-x}W_x$-Fe_8 films 204 (1996) 99
Fehlner, F.P., Thin films on glass for liquid crystal displays 218 (1997) 360
Feldmann, M. and R. Weißmann, Initial stages of float glass corrosion 218 (1997) 205
Fernández, J., see Azkargorta, J. 213–214 (1997) 271
Ferrari, M., see Bettinelli, M. 201 (1996) 211
Ferrari, M., see Sbetti, M. 220 (1997) 217
Ferroni, G., see Polignano, M.L. 216 (1997) 88
Filipovich, V.N., see Fokin, V.M. 219 (1997) 37
Filipovich, V.N., see Kalinina, A.M. 219 (1997) 80
Filipponi, A., see Di Cicco, A. 205–207 (1996) 304
Fiorani, P., see Santucci, S. 216 (1997) 156
Fischer, E.W., see Hansen, C. 215 (1997) 293
Fitting, H.-J., see Goldberg, M. 220 (1997) 69
FitzGerald, S.A., J.A. Campbell and A.J. Sievers, Far-infrared evidence for glass-like properties exhibited by crystals of CaF_2 doped with YF_3 203 (1996) 165
FitzGerald, S.A., see Tu, J. 203 (1996) 153
Fleet, M.E., S. Muthupari, M. Kasrai and S. Prabakar, Sixfold coordinated Si in alkali and alkali–CaO silicophosphate glasses by Si K-edge XANES spectroscopy 220 (1997) 85
Fleet, M.E., see Henderson, G.S. 211 (1997) 214
Flórez, A., O.L. Malta, Y. Messaddeq and M.A. Aegerter, Judd–Ofelt analysis of Pr^{3+} ions in fluoroindate

glasses: influence of odd third order intensity parameters 213–214 (1997) 315
Florian, P., see Zhang, P. 204 (1996) 294
Flower, P.S., see Hobson, P.R. 213–214 (1997) 147
Fogret, E., see Lucas, J. 203 (1996) 127
Fokin, V.M., N.S. Yuritsin, V.N. Filipovich and A.M. Kalinina, Kinetics of the μ-cordierite crystal nucleation on polished cordierite glass 219 (1997) 37
Foley, J.C. and J.H. Perepezko, The devitrification of Al–Y–Fe amorphous alloys 205–207 (1996) 559
Fontana, A., E. Moser, F. Rossi, R. Campostrini and G. Carturan, Structure and dynamics of hydrogenated silica xerogel by Raman and Brillouin scattering 212 (1997) 292
Fonteneau, G., see Boussard-Plédel, C. 209 (1997) 247
Fonteneau, G., see Josse, E. 213–214 (1997) 152
Fonteneau, G., see Jurdyc, A.M. 213–214 (1997) 231
Fonteneau, G., see Lucas, J. 203 (1996) 127
Fonteneau, G., see Méresse, Y. 213–214 (1997) 55
Frank, G., see Köstlin, H. 218 (1997) 347
Frank, W., W. Gustin and M. Horz, Diffusion of gold and platinum in amorphous silicon and germanium 205–207 (1996) 208
Frankwicz, P.S., S. Ram and H.-J. Fecht, Optimization of solidification and phase selection sequences in water quenched Zr–Al–Ni–Cu alloys 205–207 (1996) 522
Fredericci, C., see Cabral Jr., A.A. 219 (1997) 182
Freyland, W., see Beck, U. 205–207 (1996) 52
Freyland, W., see Bernard, J. 205–207 (1996) 62
Freyland, W., see Nattland, D. 205–207 (1996) 772
Freyland, W., see Schindelbeck, Th. 205–207 (1996) 48
Fricke, J., see Löbmann, P. 201 (1996) 66
Fricke, J., see Riegel, B. 211 (1997) 294
Friede, B. and M. Jansen, Some comments on so-called 'silicon monoxide' 204 (1996) 202
Friot, B., see Zhang, G. 213–214 (1997) 6
Frischat, G.H., see Anselm, L. 213–214 (1997) 375
Frischat, G.H., see Anselm, L. 217 (1997) 115
Frischat, G.H., see Buchmayer, G. 204 (1996) 253
Frischat, G.H., see Janke, A. 213–214 (1997) 369
Frohberg, G., see Mathiak, G. 205–207 (1996) 412
Froumin, N., see Rivlin, Z. 215 (1997) 283
Frumar, M., M. Vlček, Z. Černošek, Z. Polák and T. Wágner, Photoinduced changes of the structure and physical properties of amorphous chalcogenides 213–214 (1997) 215
Frumar, M., see Frumarová, B. 213–214 (1997) 58
Frumar, M., see Wagner, T. 212 (1997) 157
Frumarová, B., M. Frumar and J. Oswald, Synthesis and properties of GeS_2–Ga_2S_3:$NdCl_3$ and GeS_2–Ga_2S_3:Nd_2O_3 glasses 213–214 (1997) 58
Fu, G., see Sun, J. 212 (1997) 192
Fu, J.K., G. Atanassov, Y.S. Dai, F.H. Tan and Z.Q. Mo, Single films and heat mirrors produced by plasma ion assisted deposition 218 (1997) 403
Fuess, H., see Alkemper, J. 210 (1997) 32
Fujii, H., see Oota, M. 209 (1997) 69
Fujimori, H., M. Mizukami and M. Oguni, Calorimetric study of 1,3-diphenyl-1,1,3,3-tetramethyldisiloxane: Emergence of α-, β-, and crystalline-glass transitions 204 (1996) 38
Fujimoto, Y. and M. Nakatsuka, A novel method for uniform dispersion of the rare earth ions in SiO_2 glass using zeolite X 215 (1997) 182
Fujino, S., see Mito, T. 210 (1997) 155
Fujisawa, T., see Okada, T. 205–207 (1996) 102
Fujita, Y., see Fukazawa, T. 203 (1996) 102
Fujiwara, S., see Yonezawa, F. 205–207 (1996) 884
Fukao, K. and Y. Miyamoto, Relaxation behavior of α-process of poly(ethylene terephthalate) during crystallization process 212 (1997) 208
Fukazawa, T., M. Korekawa and Y. Fujita, Spectroscopic photoelasticity of lead–silica glass analyzed by polarization modulated ellipsometry 203 (1996) 102
Fukunaga, J., see Ota, R. 219 (1997) 70
Fukunaga, J., see Wakasugi, T. 210 (1997) 141
Fukunaga, T., M. Utsumi, H. Akatsuka, M. Misawa and U. Mizutani, Structure of amorphous Se prepared by milling 205–207 (1996) 531
Fukunaga, T., T. Ishizuka, H. Ishihara, T. Koyano and U. Mizutani, Structure of sputter-deposited V–Si amorphous alloys 205–207 (1996) 660
Funke, K., see Davidson, J.E. 203 (1996) 246
Funke, K., see Roling, B. 212 (1997) 1
Furniss, D., J.D. Shephard and A.B. Seddon, A novel approach for drawing optical fibers from disparate core/clad. glasses 213–214 (1997) 141
Furniss, D., see Morgan, S.P. 203 (1996) 135
Furniss, D., see Morgan, S.P. 213–214 (1997) 72
Fyodorov, V., see Dmitruk, L. 213–214 (1997) 311

Gácsi, Z., see Kaptay, G. 205–207 (1996) 742
Gafney, H.D., see Devi, P.S. 203 (1996) 78
Gafney, H.D., see Dong, J. 203 (1996) 329
Gagnaire, A., see Martinet, C. 216 (1997) 77
Gajerski, R., see Małecki, A. 212 (1997) 55
Gall, P., see Baniel, P. 203 (1996) 143
Gallas, M.R., see Costa, T.M.H. 220 (1997) 195
Galli, G., see Bellissent, R. 205–207 (1996) 656
Galy, J., see Burian, A. 212 (1997) 23

Gama, S., see Baesso, M.L. 219 (1997) 165
Gan, F., J. Wang and Y. Chen, UV upconversion luminescence of Nd^{3+} and Er^{3+} ions in fluorozirconate glasses 213–214 (1997) 261
Gan, F., see Yin, H. 210 (1997) 243
Ganesan, V. and H. Ipser, Partial thermodynamic properties of magnesium in ternary Cu–Mg–Si alloys 205–207 (1996) 711
Ganguli, D., see Ramanan, S.R. 212 (1997) 299
Gantner, G., H.-G. Boyen and P. Oelhafen, Time resolved photoelectron spectroscopy of germanium and silicon during the solid to the liquid state phase transition 205–207 (1996) 490
Gantner, G., see Boyen, H.-G. 205–207 (1996) 776
Ganz, D., A. Reich and M.A. Aegerter, Laser firing of transparent conducting SnO_2 sol–gel coatings 218 (1997) 242
Ganz, D., see Aegerter, M.A. 218 (1997) 123
Gao, Y., O. Perrot, B. Boulard, J.E. Broquin, R. Rimet and C. Jacoboni, Preparation of PZG fluoride glass channel waveguides 213–214 (1997) 137
Garapon, C., see Bahtat, A. 202 (1996) 16
Garapon, C., see Jurdyc, A.M. 213–214 (1997) 231
García-Arribas, A., see Herreros, J. 201 (1996) 102
Garofalini, S.H., see Litton, D.A. 217 (1997) 250
Gasior, W., Z. Moser and W. Zakulski, Thermodynamic studies and the phase diagram of the Li–Sn system 205–207 (1996) 379
Gaspard, J.-P., J.-Y. Raty, R. Céolin and R. Bellissent, Local orders in II–VI liquid compounds 205–207 (1996) 75
Gaspard, J.-P., see Bichara, C. 205–207 (1996) 361
Gasparov, V.A., see Schneider, M. 215 (1997) 201
Gasparro, G., see Aegerter, M.A. 218 (1997) 123
Gasser, J.-G., H. Halim, J.-F. Wax and J. Vinckel, Transport effects in a liquid IV–VI alloy: the Te–Si system 205–207 (1996) 120
Gasser, J.G., see Benazzi, N. 201 (1996) 172
Gasser, J.G., see Grosdidier, B. 205–207 (1996) 393
Gasser, J.G., see Schmitt, Y. 205–207 (1996) 135
Gasser, J.G., see Vinckel, J. 205–207 (1996) 388
Gat, E., see Cros, B. 209 (1997) 273
Gates, B.C., see Rezgui, S. 210 (1997) 287
Gatto, M., see Kojima, M. 218 (1997) 230
Gaune-Escard, M., see Hayer, E. 205–207 (1996) 312
Gava, M., see Baricco, M. 213–214 (1997) 79
Gedanken, A., see Koltypin, Yu. 201 (1996) 159
Gee, B., H. Eckert, A. Pradel, G. Taillades and M. Ribes, Alkali ion distribution in mixed-alkali chalcogenide glasses: ^{23}Na–$\{^{7}Li\}$ spin echo double resonance NMR studies of the system $[(Na_2S)_{1-y}(Li_2S)_y]_{0.5}$-$(GeS_2)_{0.5}$ 215 (1997) 32
Gee, B., M. Janssen and H. Eckert, Local cation environments in mixed alkali silicate glasses studied by multinuclear single and double resonance magic-angle spinning NMR 215 (1997) 41
Gelardi, F.M., see Cannas, M. 216 (1997) 99
Gelardi, F.M., see Leone, M. 216 (1997) 105
Gelchinski, B.R., see Vyatkin, G.P. 205–207 (1996) 563
Gelder, D., see Williams, K.F.E. 211 (1997) 164
Gerber, Th., see Stachs, O. 210 (1997) 14
Gereben, O. and L. Pusztai, The like–like–like partial triplet correlation functions of amorphous $Ni_{62}Nb_{38}$ 205–207 (1996) 716
Gerth, U., see Habelitz, S. 220 (1997) 291
Ghaleb, D., see Delaye, J.M. 210 (1997) 232
Ghibaudo, G., see Boutchacha, T. 216 (1997) 192
Ghidini, G. and C. Clementi, An innovative process sequence to obtain reliable nitrided active dielectrics 216 (1997) 198
Ghiselli, G., see Diniz, R.E.O. 219 (1997) 187
Gibbs, W.E.K., see MacFarlane, D.R. 213–214 (1997) 158
Gibson, M.A., see Rivlin, Z. 215 (1997) 283
Gier, A., see Brendel, R. 218 (1997) 391
Gill, K., R. Grabit, M. Persello, G. Stefanini and F. Vasey, Gamma and neutron radiation damage studies of optical fibres 216 (1997) 129
Gillan, M.J., see Holender, J.M. 205–207 (1996) 866
Gillan, M.J., see Kirchhoff, F. 205–207 (1996) 924
Gillan, M.J., see Kirchhoff, F. 205–207 (1996) 79
Girault, V., H. Plantier, R.A.B. Devine and F. Templier, Low temperature, plasma assisted oxidation of amorphous Si 216 (1997) 55
Girney, O.I., see Arnold, D.I. 205–207 (1996) 459
Giró, A., see Canales, M. 205–207 (1996) 907
Glachant, A., see Poveda, P. 216 (1997) 83
Gladun, C., see Burkov, A.T. 205–207 (1996) 737
Glaubitt, W., see Löbmann, P. 201 (1996) 66
Glebov, L., see Belykh, A. 213–214 (1997) 238
Glebov, L.B., see Belykh, A.V. 213–214 (1997) 330
Glibert, J., see Tilquin, J.-Y. 211 (1997) 95
Gnado, J., P. Dhamelincourt, C. Pélégris, M. Traisnel and A. Le Maguer Mayot, Raman spectra of oligomeric species obtained by tetraethoxysilane hydrolysis–polycondensation process 208 (1996) 247
Goldbach, A., see Armand, P. 205–207 (1996) 797
Goldberg, M., H.-J. Fitting and A. Trukhin, Cathodoluminescence and cathodoelectroluminescence of amorphous SiO_2 films 220 (1997) 69
Goldner, Ph., see Ribeiro, S.J.L. 219 (1997) 176
Gomi, S., see Yonezawa, F. 205–207 (1996) 884
Gonçalves, M.C. and R.M. Almeida, Polarized infrared reflectivity of fluorozirconate glasses 213–214 (1997) 184

Gonçalves, M.C., see Almeida, R.M. 213–214 (1997) 251
Gonchukova, N.O. and O.V. Tolochko, Quantitative description relaxation of metallic glasses macroscopic properties 208 (1996) 119
González, D.J., see González, L.E. 205–207 (1996) 443
González, D.J., see González, L.E. 205–207 (1996) 901
González, D.J., see González, L.E. 205–207 (1996) 911
González, L.E., D.J. González and M. Silbert, Concentration dependence of the structure of liquid Li–Na and Li–Mg alloys 205–207 (1996) 443
González, L.E., D.J. González and M. Silbert, Static dielectric function of liquid lithium 205–207 (1996) 911
González, L.E., S. Dalgiç, D.J. González and M. Silbert, Ion-electron pseudopotentials for liquid alloys with small charge-transfer effects 205–207 (1996) 901
Gonzalez, M.A., J.L.J. Severiano, N.G. Almarza, E. Enciso and F.J. Bermejo, Dynamic correlations in liquid and glassy selenium: search for intermediate scales 205–207 (1996) 285
Gordon, C.A., A.V. Granato and R.O. Simmons, Evidence for the self-interstitial model of liquid and amorphous states from lattice parameter measurements in krypton 205–207 (1996) 216
Gordon, R., Chemical vapor deposition of coatings on glass 218 (1997) 81
Göritz, D., see Wittkop, M. 201 (1996) 199
Görler, G.P., see Wilde, G. 205–207 (1996) 317
Görler, G.P., see Wilde, G. 205–207 (1996) 425
Görller-Walrand, C., see Binnemans, K. 204 (1996) 178
Gorodetsky, O., see Nagli, L. 217 (1997) 208
Gosnell, T.R., see Fajardo, J.C. 213–214 (1997) 95
Gotoh, A., see Yoda, S. 208 (1996) 191
Götzelmann, R., see Macrelli, G. 218 (1997) 296
Goullet, A., see Vallée, C. 216 (1997) 48
Goutaland, F., A. Boukenter, Y. Ouerdane and G. Monnom, Defects studies in silica based optical fibers by laser spectroscopy 216 (1997) 135
Grabit, R., see Gill, K. 216 (1997) 129
Grabow, M., see Angell, C.A. 205–207 (1996) 463
Grabow, M.H., see Vogel, E.M. 204 (1996) 95
Graf, W., F. Brucker, M. Köhl, T. Tröscher, V. Wittwer and L. Herlitze, Development of large area sputtered solar absorber coatings 218 (1997) 380
Gránásy, L., Diffuse interface model of crystal nucleation 219 (1997) 49
Granato, A.V., see Gordon, C.A. 205–207 (1996) 216
Grande, T., see Aasland, S. 213–214 (1997) 341
Grande, T., see Einarsrud, M.-A. 211 (1997) 49
Grande, T., see Einarsrud, M.-A. 215 (1997) 169
Grandinetti, P.J., see Zhang, P. 204 (1996) 294
Granier, A., see Vallée, C. 216 (1997) 48
Granier, J., see Baniel, P. 203 (1996) 143
Granqvist, C.G., A. Azens, J. Isidorsson, M. Kharrazi, L. Kullman, T. Lindström, G.A. Niklasson, C.-G. Ribbing, D. Rönnow, M. Strømme Mattsson and M. Veszelei, Towards the smart window: progress in electrochromics 218 (1997) 273
Gratton, L.M., see Checchetto, R. 216 (1997) 65
Grayer, G.H., see Hobson, P.R. 213–214 (1997) 147
Green, P.F., see Sidebottom, D.L. 203 (1996) 300
Greene, B.I., A response to K. Awazu's comments on 'Thermal and photo-initiated reactions of H_2 with germanosilicate optical fibers' 201 (1996) 272
Greengrass, J., see Williams, K.F.E. 211 (1997) 164
Grenèche, J.M., see Kliava, J. 202 (1996) 205
Grevendonk, W., see Herremans, H. 210 (1997) 204
Griesche, A., see Mathiak, G. 205–207 (1996) 412
Grifoni, L., P. Massimi and F. Fama', Si_3N_4 thickness and its oxidation time influence on O/N/O DRAM cell performance 216 (1997) 202
Grigorica, M., see Chiriac, H. 205–207 (1996) 504
Griscom, D.L., see Deparis, O. 216 (1997) 124
Grodzinskii, E., see Kozhevnikov, V. 205–207 (1996) 256
Grodzinsky, E.V., see Arnold, D.I. 205–207 (1996) 459
Gromnitskaya, E.L., see Brazhkin, V.V. 212 (1997) 49
Groß, J., see Riegel, B. 211 (1997) 294
Grosdidier, B., J.P. Lutz, S. Saadeddine and J.G. Gasser, Structure and electrical resistivity of liquid Ni–Ge alloys 205–207 (1996) 393
Gross, J., G.W. Scherer, C.T. Alviso and R.W. Pekala, Elastic properties of crosslinked Resorcinol–Formaldehyde gels and aerogels 211 (1997) 132
Gross, J., see Löbmann, P. 201 (1996) 66
Grosse, P., R. Hertling and T. Müggenburg, Design of low emissivity systems based on a three-layer coating 218 (1997) 38
Gruenhut, S., M. Amini, D.R. MacFarlane and P. Meakin, Structure of Zr/Ba/Na fluoride glass using molecular dynamics 213–214 (1997) 398
Grzechnik, A., see Aasland, S. 213–214 (1997) 341
Grzesik, U., see Humbach, O. 203 (1996) 19
Guégan, G., see Boutchacha, T. 216 (1997) 192
Gueguen, E., see Le Sauze, A. 217 (1997) 83
Guglielmi, M., see Brusatin, G. 220 (1997) 202
Guillaumot, B., see Candelier, P. 216 (1997) 162
Guillot, C., see Rochet, F. 216 (1997) 148
Güntherodt, H., see Suck, J.-B. 205–207 (1996) 733
Güntherodt, H.-J., see Schaub, T.M. 205–207 (1996) 748
Guo, G. and Y. Chen, Thermal analysis and infrared measurements of a

lead–barium–aluminum phosphate glass 201 (1996) 262
Guo, J.D., see Koone, N.D. 211 (1997) 150
Guo, Q., see Poon, S.J. 205–207 (1996) 1
Guo, W.Q., see Yao, B. 205–207 (1996) 554
Guojun, D., see Braglia, M. 213–214 (1997) 325
Guojun, D., see Braglia, M. 213–214 (1997) 44
Gustin, W., see Frank, W. 205–207 (1996) 208
Gutwerk, D., see Dubiel, M. 220 (1997) 30
Gutwerk, D., see Kolb, U. 217 (1997) 162
Gutzow, I., A. Dobreva, C. Rüssel and B. Durschang, Kinetics of vitrification under hydrostatic pressure and under tangential stress 215 (1997) 313
Gutzow, I., J. Schmelzer and A. Dobreva, Kinetics of transient nucleation in glass-forming liquids: a retrospective and recent results 219 (1997) 1
Gutzow, I., see Dobreva, A. 209 (1997) 257
Gutzow, I., see Dobreva, A. 220 (1997) 235
Gutzow, I., see Möller, J. 219 (1997) 142
Guyot, N., see Lepage, J. 217 (1997) 11
Gy, R., see Duffrène, L. 211 (1997) 30
Gy, R., see Duffrène, L. 215 (1997) 208

Habasaki, J., I. Okada and Y. Hiwatari, MD study of the mixed alkali effect in terms of the potential surface in the lithium–potassium metasilicate glass 208 (1996) 181
Habelitz, S., G. Carl, C. Rüssel, S. Thiel, U. Gerth, J.-D. Schnapp, A. Jordanov and H. Knake, Mechanical properties of oriented mica glass ceramic 220 (1997) 291
Habib Jiwan, J.-L. and J.-.P. Soumillion, A halogen anion sensor based on the hydrophobic entrapment of a fluorescent probe in silica sol–gel thin films 220 (1997) 316
Hach, C.T., K. Cerqua-Richardson, J.R. Varner and W.C. LaCourse, Density and microhardness of As–Se glasses and glass fibers 209 (1997) 159
Hæreid, S., E. Nilsen and M.-A. Einarsrud, Properties of silica gels aged in TEOS 204 (1996) 228
Hæreid, S., see Einarsrud, M.-A. 211 (1997) 49
Hæreid, S., see Scherer, G.W. 202 (1996) 42
Hafner, J., Theory of liquid and amorphous metals: the state-of-the-art 205–207 (1996) 934
Hafner, J., see Cossy-Favre, A. 205–207 (1996) 587
Hafner, J., see Krajčí, M. 205–207 (1996) 846
Hafner, J., see Seifert, K. 205–207 (1996) 871
Hafner, J., see Spišák, D. 205–207 (1996) 624
Hafner, J., see Tęcza, G.W. 202 (1996) 1
Haken, U., see Humbach, O. 203 (1996) 19
Häkkinen, H., see Landa, A. 205–207 (1996) 767
Halim, H., see Gasser, J.-G. 205–207 (1996) 120
Halimaoui, A., see Dmowski, K. 216 (1997) 185
Haluska, M., see Meingast, C. 201 (1996) 167
Hamdan, H., M.N.M. Muhid, S. Endud, E. Listiorini and Z. Ramli, ^{29}Si MAS NMR, XRD and FESEM studies of rice husk silica for the synthesis of zeolites 211 (1997) 126
Hamel, L.-A., see Chao Chen, W. 220 (1997) 254
Hammond-Smith, R., see Hobson, P.R. 213–214 (1997) 147
Han, W.-T., see Hwang, T.J. 203 (1996) 345
Han, W.-T., see Yoon, Y.K. 203 (1996) 195
Hannon, A.C., see Zotov, N. 202 (1996) 153
Hansen, C., R. Richert and E.W. Fischer, Dielectric loss spectra of organic glass formers and Chamberlin cluster model 215 (1997) 293
Hao, S., see Brückner, R. 208 (1996) 228
Hao, Y.Y., see Yao, B. 205–207 (1996) 554
Haond, M., see Boutchacha, T. 216 (1997) 192
Happek, U., see Engholm, J.R. 203 (1996) 182
Haranou, T., see Latz, R. 218 (1997) 329
Harbison, B.B., C.I. Merzbacher and I.D. Aggarwal, Preparation and properties of $BaS–Ga_2S_3–GeS_2$ glasses 213–214 (1997) 16
Harbison, B.B., see Bayya, S.S. 212 (1997) 198
Harmelin, M., see Xing, L.Q. 205–207 (1996) 597
Haro-Poniatowski, E., see Attos, O. 210 (1997) 163
Hartmann, I., see Riegel, B. 211 (1997) 294
Haruyama, O., V. Ocelík and N. Asahi, Reversible structural relaxation in melt-spun $Co_{80-x}Cr_xB_{20}$ ($x = 20$, 25 or 30) amorphous alloys 205–207 (1996) 706
Hase, H., see Nasu, H. 204 (1996) 78
Hashimoto, T., see Zhou, Z.H. 215 (1997) 61
Hattori, A., Measurement of glass surface contamination 218 (1997) 196
Hayakawa, T., see Nagaya, K. 205–207 (1996) 807
Hayasaka, N., see Uemura, O. 205–207 (1996) 189
Hayashi, H., see Okamoto, Y. 205–207 (1996) 139
Hayashi, Y., see Ohsaki, H. 218 (1997) 223
Hayer, E., M. Gaune-Escard and J.P. Bros, The Fermi enthalpy in liquid alloys 205–207 (1996) 312
Hayes, T.M., see Persans, P.D. 203 (1996) 192
Hazra, S., A.R. Middya and S. Ray, Low defect density amorphous silicon germanium alloy (1.5 eV) deposited at high growth rate under helium dilution in RF-PECVD method 211 (1997) 22
Hazra, S., A.R. Middya and S. Ray, Role of atomic hydrogen for the formation of network structure of amorphous SiGe alloy: comparison of theoretical predictions and experimental results 202 (1996) 81
He, Y., R.B. Schwarz, D. Mandrus and

L. Jacobson, Elastic moduli, density, and structural relaxation in bulk amorphous $Zr_{41.2}Ti_{13.8}Cu_{12.5}Ni_{10}Be_{22.5}$ alloy 205–207 (1996) 602
Hebbinghaus, G., see Köstlin, H. 218 (1997) 347
Heesemann, A., see Rätzke, K. 205–207 (1996) 607
Heide, K., see Völksch, G. 219 (1997) 119
Heinrich, A., see Burkov, A.T. 205–207 (1996) 737
Heitjans, P., see Winter, R. 212 (1997) 215
Heitmann, W., see Humbach, O. 203 (1996) 19
Hellmuth, E.W., see Cheong, K.-I. 204 (1996) 158
Hemley, R.J. and H.-k. Mao, Dense molecular hydrogen: Order, disorder, and localization 205–207 (1996) 282
Hemmati, M. and C.A. Angell, IR absorption of silicate glasses studied by ion dynamics computer simulation. I. IR spectra of SiO_2 glass in the rigid ion model approximation 217 (1997) 236
Hempstead, M., see Ye, C.C. 208 (1996) 56
Henderson, D.O., R. Mu, A. Ueda, Y.S. Tung, C.W. White, R.A. Zuhr and J.G. Zhu, Atomic force microscopy, electronic and vibrational spectroscopy of Au colloids formed by ion implantation in muscovite mica 205–207 (1996) 788
Henderson, G.S. and M.E. Fleet, The structure of titanium silicate glasses investigated by Si K-edge X-ray absorption spectroscopy 211 (1997) 214
Hennings, B.D., see Rathnayaka, K.D.D. 205–207 (1996) 665
Hennion, B., see Lyonnard, S. 205–207 (1996) 11
Hensel, F. and M. Yao, Critical behaviour in liquid mercury 205–207 (1996) 231
Heo, J., W.Y. Cho and W.J. Chung, Sensitizing effect of Tm^{3+} on 2.9 μm emission from Dy^{3+}-doped $Ge_{25}Ga_5S_{70}$ glass 212 (1997) 151
Heo, J., see Choi, Y.G. 217 (1997) 199
Heo, J., see Kharlamov, A.A. 202 (1996) 233
Heo, J., see Kim, Y.S. 203 (1996) 176
Heo, J., see Shin, Y.B. 208 (1996) 29
Herlitze, L., see Graf, W. 218 (1997) 380
Hernandez, J.P., see Chacón, E. 205–207 (1996) 251
Hernandez, J.P., see Velasco, E. 205–207 (1996) 897
Herremans, H. and W. Grevendonk, Comparison of steady-state optical modulation spectra of B_2H_6-doped and $B(CH_3)_3$-doped a-Si(:C):H films 210 (1997) 204
Herreros, J., J.M. Barandiarán and A. García-Arribas, Preparation of Fe–Co–P amorphous alloys by electrodeposition 201 (1996) 102
Herrmann, U., H.H. Dunken, E. Wendler and W. Wesch, Simulation of IR and VIS–NIR spectra of Si^+ implanted SiO_2 glass 204 (1996) 273
Hertling, R., see Grosse, P. 218 (1997) 38
Herwig, F., see Neumann, H. 205–207 (1996) 438
Hesselink, L., see Akella, A. 213–214 (1997) 1
Hessinger, J. and R.O. Pohl, Annealing of amorphous ice films 208 (1996) 151
Hewak, D.W., see Ye, C.C. 208 (1996) 56
Hey, J.M. and D.R. MacFarlane, Kinetic analyses of crystallization and devitrification: Comparison of activation energies in aqueous solutions of glycerol and dimethyl sulphoxide 211 (1997) 262
Hichwa, B.P., see Mathew, J.G.H. 218 (1997) 342
Hill, R.J., Reactive sputtering and the use of anodes for optical coatings 218 (1997) 54
Hill, R.J. and F. Jansen, The use of ac power on cylindrical magnetrons 218 (1997) 35
Himei, Y., Y. Miura, T. Nanba and A. Osaka, X-ray photoelectron spectroscopy of alkali tellurite glasses 211 (1997) 64
Hinada, M., see Itami, T. 205–207 (1996) 375
Hippert, F., see Klein, H. 205–207 (1996) 6
Hiramatsu, A., see Inui, M. 205–207 (1996) 159
Hirao, K., see Cho, D.-H. 215 (1997) 192
Hirao, K., see Davis, K.M. 203 (1996) 27
Hirao, K., see Kim, H.G. 208 (1996) 303
Hirao, K., see Kishimoto, S. 213–214 (1997) 393
Hirao, K., see Miura, K. 213–214 (1997) 276
Hirao, K., see Qiu, J. 209 (1997) 200
Hirao, K., see Qiu, J. 213–214 (1997) 193
Hirao, K., see Qiu, J. 213–214 (1997) 266
Hirao, K., see Tanaka, K. 203 (1996) 49
Hirao, K., see Zeng, H.C. 209 (1997) 112
Hirose, M., see Xu, J. 208 (1996) 277
Hirota, A., see Wakasugi, T. 210 (1997) 141
Hiwatari, Y., see Habasaki, J. 208 (1996) 181
Hlídek, P., see Biederman, H. 218 (1997) 44
Hng, H.H., Y. Li, S.C. Ng and C.K. Ong, Critical cooling rates for glass formation in Zr–Al–Cu–Ni alloys 208 (1996) 127
Hoag, K., see Burkov, A.T. 205–207 (1996) 332
Hobert, H., H. Dunken, R. Menzel, T. Bachmann and W. Wesch, Infrared and Raman spectroscopy of particle-beam induced damage of silicon carbide 220 (1997) 187
Hobson, P.R., D.C. Imrie, T. Price, S. Sheikh, K.W. Bell, R.M. Brown, D.J.A. Cockerill, P.S. Flower, G.H. Grayer, B.W. Kennedy, A.L. Lintern, P.W. Jeffreys, M. Sproston, K.J. McKinlay, J.M. Parker, D.L. Bowen, T. Cliff, R. Stewart-Hannay and R. Hammond-Smith, The development of dense scintillating hafnium fluoride glasses for the construction of homogeneous calorimeters in particle physics 213–214 (1997) 147
Hodge, I.M., Errata to enthalpy relaxation and recovery in amorphous

metals' [J. Non-Cryst. Solids 169 (1994) 211–266; Erratum: 175 (1994) 303] 202 (1996) 203
Hodge, I.M., Reply to 'Commentary on 'Strong and fragile liquids – A brief critique'' by C.M. Roland and K.L. Ngai 212 (1997) 77
Hodge, I.M., Strong and fragile liquids – a brief critique 202 (1996) 164
Hoell, A., R. Kranold, U. Lembke and J. Aures, Effect of fining with sodium chloride on the phase separation of a soda lime silica glass 208 (1996) 294
Hoffbauer, W., see Okuno, M. 210 (1997) 41
Höfle, W., see West, G.F. 213–214 (1997) 189
Höland, W., Biocompatible and bioactive glass-ceramics – state of the art and new directions 219 (1997) 192
Hole, D.E., see Lamouroux, F. 212 (1997) 232
Holender, J.M. and M.J. Gillan, The ab initio simulation of the liquid Ga–Se system 205–207 (1996) 866
Holender, J.M., see Kirchhoff, F. 205–207 (1996) 924
Holender, J.M., see Kirchhoff, F. 205–207 (1996) 79
Holland, D., see Mekki, A. 208 (1996) 267
Holland, D., see Mekki, A. 215 (1997) 271
Holland, D., see Mekki, A. 220 (1997) 267
Hölzl, Th., see Wittkop, M. 201 (1996) 199
Holzwarth, U., see Hugenschmidt, C. 217 (1997) 72
Hoppe, U., see Walter, G. 217 (1997) 299
Horie, K., see Matsuura, K. 217 (1997) 136
Horii, K., see Iwamatsu, M. 205–207 (1996) 919
Horowitz, F., see Pereira, M.B. 218 (1997) 286
Horz, M., see Frank, W. 205–207 (1996) 208
Hoshino, H., T. Miyanaga, H. Ikemoto, S. Hosokawa and H. Endo, The semiconductor–metal transition of liquid arsenic–selenium mixtures at high temperatures and high pressures 205–207 (1996) 43
Hoshino, K., see Kanamori, T. 213–214 (1997) 121
Hoshino, K., see Munejiri, S. 205–207 (1996) 278
Hoshino, K., see Shimojo, F. 205–207 (1996) 893
Hosokawa, N., see Ishibashi, K. 218 (1997) 354
Hosokawa, S., see Hoshino, H. 205–207 (1996) 43
Hosono, H., M. Yasukawa and H. Kawazoe, Novel oxide amorphous semiconductors: transparent conducting amorphous oxides 203 (1996) 334
Houde-Walter, S.N., see Messerschmidt, B. 217 (1997) 264
Howells, W.S., see Lague, S.B. 205–207 (1996) 89
Howells, W.S., see Winter, R. 205–207 (1996) 66
Howes, A.P., see Wootton, A.M. 204 (1996) 217
Hoyer, W., see Neumann, H. 205–207 (1996) 438
Hozumi, A., see Takai, O. 218 (1997) 280
Hrma, P., see Rao, Q. 220 (1997) 17
Hsieh, C.H. and H. Jain, Are the low temperature–low frequency and high temperature–high frequency ac conductivity of glasses the same phenomenon? 203 (1996) 293
Hsieh, C.H., see Messerschmidt, B. 217 (1997) 264
Hsu, Y.G. and J.H. Huang, Model reaction of epoxy-containing siloxane 208 (1996) 259
Hu, Z., see Zou, Z. 201 (1996) 246
Hu, Z.Q., see Yao, B. 205–207 (1996) 554
Hu, Z.Q., see Yao, B. 217 (1997) 317
Huang, J.H., see Hsu, Y.G. 208 (1996) 259
Huang, S., see Wu, X. 203 (1996) 120
Huang, W., see Ray, C.S. 204 (1996) 1
Huang, W.C. and H. Jain, Local structure and electrical response of Rb and (Rb, Ag) germanate glasses: electrical conductivity relaxation 212 (1997) 117
Huang, W.C., see Jain, H. 203 (1996) 320
Huang, W.C., see Kamitsos, E.I. 203 (1996) 312
Hugenschmidt, C., U. Holzwarth, M. Jansen, S. Kohn and K. Maier, Crystallization of silica studied by positron annihilation 217 (1997) 72
Humbach, O., H. Fabian, U. Grzesik, U. Haken and W. Heitmann, Analysis of OH absorption bands in synthetic silica 203 (1996) 19
Hunt, A., The mixed-alkali effect discussed within the context of percolative transport 220 (1997) 1
Hunt, A.J., see Ayers, M.R. 217 (1997) 229
Hwang, C.-S., see Lin, S.-L. 202 (1996) 61
Hwang, L.-W., see Schroeder, J. 203 (1996) 217
Hwang, S.-L., see Sun, E.Y. 208 (1996) 162
Hwang, T.J. and W.-T. Han, Complex impedance analysis of the glass/solution interface in the glass electrode for pH measurement 203 (1996) 345
Hyde, A.R., see Bergmann, R.B. 218 (1997) 388
Hyeon, T., see Bellissent, R. 205–207 (1996) 656

Ibanez, A., M. Bionducci, E. Philippot, L. Descôtes and R. Bellissent, Structural properties of sulphur-enriched GeS_x binary glasses by neutron scattering 202 (1996) 248
Ibrahim, M.M., see Kotkata, M.F. 205–207 (1996) 176
Ichinose, N. and Y. Nakai, Electrical conductivity of V_2O_5–SrO–B_2O_3 glasses 203 (1996) 353
Idemoto, Y., see Koura, N. 205–207 (1996) 650
Ieranò, G., see Pacchioni, G. 216 (1997) 1
Iftiquar, S.M., see Das, D. 210 (1997) 148
Ihara, H., The observation of plasma induced defect density at a-Si:H interface by quasi-static *C–V* measurement 204 (1996) 164
Ihinger, P.D., see Davis, M.J.

219 (1997) 62
Ikazaki, F., see Yoda, S. 208 (1996) 191
Ikemoto, H., I. Yamamoto, T. Tsuzuki and H. Endo, The origin of the metallic nature for liquid Te 205–207 (1996) 347
Ikemoto, H., see Hoshino, H. 205–207 (1996) 43
Illeková, E., see Suriñach, S. 205–207 (1996) 546
Imai, H., see Tsukuma, K. 210 (1997) 48
Imrie, D.C., see Hobson, P.R. 213–214 (1997) 147
Inderbir,, see Mehra, R.M. 209 (1997) 188
Indlekofer, G., see Dürrwächter, M. 205–207 (1996) 322
Indutnyi, I.Z., see Stetsun, A.I. 202 (1996) 113
Ingram, M.D., see Davidson, J.E. 203 (1996) 246
Innocenzi, P., H. Kozuka and T. Yoko, Dimer-to-monomer transformation of rhodamine 6G in sol–gel silica films 201 (1996) 26
Innocenzi, P., see Brusatin, G. 220 (1997) 202
Inoue, H., see Ishiwaki, T. 203 (1996) 43
Inoue, S., see Messaddeq, Y. 213–214 (1997) 179
Inoue, S., see Yano, T. 213–214 (1997) 345
Inui, M., A. Hiramatsu, Y. Kawakita and S. Takeda, Structure and thermodynamic properties of molten $Ag(Cl_{1-x}I_x)$ 205–207 (1996) 159
Inui, M., K. Maruyama, Y. Shirakawa, S. Takeda and S. Tamaki, EXAFS measurements on molten AgBr–AgI mixtures 205–207 (1996) 155
Inui, M., T. Noda and K. Tamura, X-ray diffraction measurements for expanded fluid selenium up to the metallic region 205–207 (1996) 261
Inui, M., see Maruyama, K. 205–207 (1996) 106
Inui, M., see Takeda, S. 205–207 (1996) 151
Inui, M., see Takeda, S. 205–207 (1996) 365
Iordanova, R., Y. Dimitriev, V. Dimitrov, S. Kassabov and D. Klissurski, Glass formation and structure in the V_2O_5–Bi_2O_3–Fe_2O_3 glasses 204 (1996) 141
Iparraguirre, I., see Azkargorta, J. 213–214 (1997) 271
Ipser, H., see Ganesan, V. 205–207 (1996) 711
Iqbal, T., A.N. Kayani, M.R. Shariari and G.H. Sigel Jr., Crystallization kinetics of AlF_3-based glasses doped with rare earth ions 213–214 (1997) 404
Iqbal, Y., see James, P.F. 219 (1997) 17
Isard, J.O., High field conduction in ionic glasses – Effect of a distribution of activation energies 202 (1996) 137
Ishibashi, K., K. Watabe, T. Sakurai, O. Okada and N. Hosokawa, Large area deposition of ITO films by cluster type sputtering system 218 (1997) 354
Ishida, S., see Nanri, H. 203 (1996) 375
Ishida, S., see Takeuchi, N. 203 (1996) 369
Ishihara, H., see Fukunaga, T. 205–207 (1996) 660
Ishikawa, T., see Sato, H. 203 (1996) 306
Ishiwaki, T., H. Inoue and A. Makishima, Optical properties of 1,4-dihydroxyanthraquinone covalently bonded to SiO_2–$AlO_{3/2}$ gel 203 (1996) 43
Ishizuka, T., see Fukunaga, T. 205–207 (1996) 660
Ishmaev, S.N., see Mendelev, M.I. 205–207 (1996) 888
Isidorsson, J., see Granqvist, C.G. 218 (1997) 273
Itami, T., K. Sugimura and Y. Yasuhara, The crossover of structure in liquid alkali–Hg alloys 205–207 (1996) 455
Itami, T., T. Masaki, K. Kuribayasi, E. Sato, M. Hinada, M. Yamasita and K. Kawasaki, Growth of fluctuations under microgravity in liquid Bi–Ga alloys 205–207 (1996) 375
Itami, T., see Masaki, T. 205–207 (1996) 338
Ito, S., see Tadanaga, K. 201 (1996) 231
Ito, T., see Nasu, H. 204 (1996) 78
Itoh, K., see Zou, X. 215 (1997) 11
Itoh, M., Electronic structures of Ag(Cu)–As–Se glasses 210 (1997) 178
Itoigawa, H., T. Kamiyama and Y. Nakamura, Ag precipitation and optical behavior in Na_2O–B_2O_3 glasses 220 (1997) 210
Itoigawa, H., T. Kamiyama and Y. Nakamura, Bi precipitates in Na_2O–B_2O_3 glasses 210 (1997) 95
Iton, L.E., see Armand, P. 205–207 (1996) 797
Iwabuchi, Y., see Qiu, J. 209 (1997) 200
Iwamatsu, M. and K. Horii, Temperature dependence of nucleation rate of spherical liquid drops and vapor bubbles 205–207 (1996) 919
Izutsu, H., F. Mizukami, T. Sashida, K. Maeda, Y. Kiyozumi and Y. Akiyama, Effect of malic acid on structure of silicon alkoxide derived silica 212 (1997) 40

Jachkin, V.A., see Bogomolova, L.D. 202 (1996) 178
Jachkin, V.A., see Bogomolova, L.D. 210 (1997) 101
Jachkin, V.A., see Bogomolova, L.D. 220 (1997) 109
Jackson, K.A., K.M. Beatty and M.V. Minke, Monte Carlo simulation of non-equilibrium segregation during crystal growth 219 (1997) 100
Jacob, W., see Annen, A. 209 (1997) 240
Jacoboni, C., see Gao, Y. 213–214 (1997) 137
Jacobson, L., see He, Y. 205–207 (1996) 602
Jacquier, B., see Bahtat, A. 202 (1996) 16
Jacquier, B., see Jurdyc, A.M. 213–214 (1997) 231
Jagannathan, R., see Nachimuthu, P. 217 (1997) 215
Jäger, H., see Pottlacher, G. 205–207 (1996) 265
Jäger, S., see Szyszka, B. 218 (1997) 74
Jain, H., E.I. Kamitsos, Y.D. Yiannopoulos, G.D. Chryssikos, W.C. Huang, R. Küchler and O. Kanert, A comprehensive view of

the local structure around Rb in rubidium germanate glasses 203 (1996) 320
Jain, H., see Hsieh, C.H. 203 (1996) 293
Jain, H., see Huang, W.C. 212 (1997) 117
Jain, H., see Kamitsos, E.I. 203 (1996) 312
Jais, U.S., see James, P.F. 219 (1997) 17
Jakse, N., J.-F. Wax, J.-L. Bretonnet and A. Pasturel, Structure and thermodynamics of the 3d-transition metals in the liquid state 205–207 (1996) 434
Jal, J.-F., see Chieux, P. 205–207 (1996) 370
Jamal, M., see Shareefuddin, Md. 201 (1996) 95
James, P.F., Y. Iqbal, U.S. Jais, S. Jordery and W.E. Lee, Crystallisation of silicate and phosphate glasses 219 (1997) 17
Jander, S., see Murach, J. 217 (1997) 92
Janke, A. and G.H. Frischat, Determination of the critical cooling rate of heavy metal fluoride glasses containing nucleating agents 213–214 (1997) 369
Janosovits, U., G. Ziegler, U. Scharf and A. Wokaun, Structural characterization of intermediate species during synthesis of Al_2O_3-aerogels 210 (1997) 1
Jansen, F., see Hill, R.J. 218 (1997) 35
Jansen, M., see Friede, B. 204 (1996) 202
Jansen, M., see Hugenschmidt, C. 217 (1997) 72
Jansen, M., see Okuno, M. 210 (1997) 41
Janssen, M., see Gee, B. 215 (1997) 41
Jarzębski, A.B. and L. Pająk, Structure of silica aerogels obtained from a single-step base catalyzed process boosted by fluorine anions 204 (1996) 172
Jaśkiewicz, P., see Pękała, K. 211 (1997) 72
Jasmina,, see Mehra, R.M. 209 (1997) 188
Javorniczky, J., see MacFarlane, D.R. 213–214 (1997) 158
Javorniczky, J., see MacFarlane, D.R. 213–214 (1997) 199
Jaymes, I., A. Douy, D. Massiot and J.-P. Coutures, Evolution of the Si environment in mullite solid solution by ^{29}Si MAS-NMR spectroscopy 204 (1996) 125
Jeffreys, P.W., see Hobson, P.R. 213–214 (1997) 147
Jehbu, A.K., see Sahar, M.R. 213–214 (1997) 164
Jen, S.U. and Y.D. Chao, Magneto-impedance of some non-zero magnetostrictive amorphous ribbons 205–207 (1996) 612
Jeng, Y.-J., see Shiu, F.-M. 209 (1997) 61
Ježek, J., see Biederman, H. 218 (1997) 44
Jha, A., B.E. Kinsman, E.R. Taylor and G. Kakarantzas, The influence of reactive atmosphere processing on the crystallisation kinetics of GaF_3/InF_3 based glasses 213–214 (1997) 101
Jha, A., see Marchese, D. 213–214 (1997) 381
Jha, A., see Naftaly, M. 213–214 (1997) 106
Jha, A., see Suriñach, S. 205–207 (1996) 546
Ji, R., see Yoon, S.F. 211 (1997) 173
Jiang, H.G., see Rivlin, Z. 215 (1997) 283
Jiang, J., G. Zhang and M. Poulain, Fluorophosphate cladding glasses for fluoride glass fibers 213–214 (1997) 11
Jimenez-Garay, R., see Zotov, N. 209 (1997) 149
Jin, O. and B.X. Liu, Chemical and interface effects on glass forming ability under ion mixing in Zr–Ta system of positive heat of formation 211 (1997) 180
Johnson, C.E., see Williams, K.F.E. 211 (1997) 164
Johnson, J.A., see Williams, K.F.E. 211 (1997) 164
Jones, S.A., see Agladze, N.I. 203 (1996) 37
Jonschker, G., see Mennig, M. 218 (1997) 395
Jonschker, G., see Schelle, C. 218 (1997) 163
Jordanov, A., see Habelitz, S. 220 (1997) 291
Jordão, J.A.R., see Perdigão, M.N.R.V. 219 (1997) 170
Jordery, S., see James, P.F. 219 (1997) 17
Jordery, S., see Suriñach, S. 205–207 (1996) 546
Joseph, J., see Martinet, C. 216 (1997) 77
Joshi, B.C. and R. Lohani, Non-radiative energy transfer from Tm^{3+} to Ho^{3+} and Nd^{3+} in zinc phosphate glass 215 (1997) 103
Josse, E., J.E. Broquin, G. Fonteneau, R. Rimet and J. Lucas, Planar and channel waveguides on fluoride glasses 213–214 (1997) 152
Jourdain, M., see Nebel, F. 216 (1997) 168
Jourdain, M., see Yard, G. 216 (1997) 174
Jumas, J.-C., see Durand, J.-M. 208 (1996) 36
Jung, P., see Zhu, Z. 217 (1997) 173
Jurado, J.R., see Colomer, M.T. 217 (1997) 48
Jurdyc, A.M., C. Garapon, B. Jacquier, Y. Meresse, G. Fonteneau and J.L. Adam, Laser spectroscopy of Pr^{3+} doped germanium sulfide based glasses 213–214 (1997) 231

Kaczkowski, Z. and P. Ruuskanen, Magnetostriction and crystallization of a Fe–Cu–Nb–Si–B alloy annealed in a vacuum from 300 to 650°C 205–207 (1996) 825
Kaczkowski, Z., P. Ruuskanen, L. Lanotte and M. Müller, Magnetostrictive and piezomagnetic properties of the $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ metallic glass annealed in helium 205–207 (1996) 683
Kadowaki, K., see Ohsaki, H. 218 (1997) 223
Kahl, G., see Kambayashi, S. 205–207 (1996) 914
Kahl, G., see Nowotny, G. 205–207 (1996) 855
Kahnt, H., Ionic transport in glasses 203 (1996) 225
Kakarantzas, G., see Jha, A. 213–214 (1997) 101
Kakinuma, F., Y. Tsuchiya and K. Suzuki, Thermodynamic properties of liquid Te–I mixtures 205–207 (1996) 147
Kakinuma, F., see Tsuchiya, Y. 205–207 (1996) 143
Kalinina, A.M., V.N. Filipovich and

G.A. Sycheva, Heterogeneous nucleation in photosensitive glasses 219 (1997) 80
Kalinina, A.M., see Fokin, V.M. 219 (1997) 37
Kalleder, A., M. Mennig and H. Schmidt, Nanometer sized particles for viscosity controlled binders for silk screen printing 218 (1997) 399
Kalleder, A., see Mennig, M. 218 (1997) 395
Kambayashi, S., G. Nowotny, J. Chihara and G. Kahl, The dynamic structure of liquid lithium: results for a new type of interaction 205–207 (1996) 914
Kameda, Y., T. Usuki and O. Uemura, TOF-neutron diffraction study of liquid Tl–As_2X_3 systems (X: Se, Te) 205–207 (1996) 130
Kameda, Y., see Uemura, O. 205–207 (1996) 194
Kamei, M., Y. Shigesato, I. Yasui, N. Taga and S. Takaki, Comparative study of heteroepitaxial and polycrystalline tin-doped indium oxide films 218 (1997) 267
Kamitsos, E.I., Y.D. Yiannopoulos, H. Jain and W.C. Huang, Correlation between far infrared absorption and electrical conductivity of rubidium germanate glasses 203 (1996) 312
Kamitsos, E.I., see Chryssikos, G.D. 202 (1996) 222
Kamitsos, E.I., see Chryssikos, G.D. 217 (1997) 278
Kamitsos, E.I., see Jain, H. 203 (1996) 320
Kamiya, K., see Matsuoka, J. 218 (1997) 151
Kamiya, K., see Nasu, H. 204 (1996) 78
Kamiya, K., see Nasu, H. 217 (1997) 182
Kamiya, K., see Yoda, S. 208 (1996) 191
Kamiya, K., see Zhou, Z.H. 215 (1997) 61
Kamiyama, T., see Itoigawa, H. 210 (1997) 95
Kamiyama, T., see Itoigawa, H. 220 (1997) 210
Kampmann, R., see de Jong, M. 205–207 (1996) 645
Kanamori, T., Y. Terunuma, Y. Nishida, K. Hoshino, K. Nakagawa, Y. Ohishi and S. Sudo, Fabrication of fluoride single-mode fibers for optical amplifiers 213–214 (1997) 121
Kanamori, T., see Oota, M. 209 (1997) 69
Kanda, H., see Katayama, Y. 205–207 (1996) 451
Kanda, H., see Tsuji, K. 205–207 (1996) 518
Kandil, K.M., see Kotkata, M.F. 205–207 (1996) 176
Kandil, K.M., see Kotkata, M.F. 205–207 (1996) 180
Kaneko, Y. and J. Bosse, Dynamics of binary liquids near the glass transition: a mode-coupling theory 205–207 (1996) 472
Kanert, O., J. Dieckhöfer and R. Küchler, Recent progress in the area of NMR characterization of ionic transport and relaxation in glasses 203 (1996) 252
Kanert, O., see Jain, H. 203 (1996) 320
Kang, S., D.E. Day and J.O. Stoffer, Measurement of the refractive index of glass fibers by the Christiansen–Shelyubskii method 220 (1997) 299
Kang, U., O.S. Dymshits, A.A. Zhilin, T.I. Chuvaeva and G.T. Petrovsky, Structural states of Co(II) in β-eucryptite-based glass-ceramics nucleated with ZrO_2 204 (1996) 151
Kapoutsis, J.A., see Chryssikos, G.D. 217 (1997) 278
Kaptay, G., P. Bárczy, F. Szigeti, A. Lovas, Z. Gácsi and L. Bolyán, Interface phenomena in processing of ceramic reinforced amorphous metal composites 205–207 (1996) 742
Karakassides, M.A., D. Petridis, G. Mousdis, C. Trapalis and G. Kordas, Preparation and infrared study of magnesium borate gels with a wide composition range 202 (1996) 198
Karim, M.M., see Sahar, M.R. 213–214 (1997) 164
Karlhuber, S., M. Peng and A. Mikula, Thermodynamic properties of ternary liquid zinc-alloys 205–207 (1996) 421
Kasperczyk, J., see Shpotyuk, O.I. 215 (1997) 218
Kasrai, M., see Fleet, M.E. 220 (1997) 85
Kassabov, S., see Iordanova, R. 204 (1996) 141
Katabi, G., see Koltypin, Yu. 201 (1996) 159
Katayama, Y., K. Tsuji, H. Kanda, H. Nosaka, K. Yaoita, T. Kikegawa and O. Shimomura, Density of liquid tellurium under pressure 205–207 (1996) 451
Katayama, Y., K. Tsuji, O. Shimomura and H. Oyanagi, EXAFS study of amorphous selenium under pressure 205–207 (1996) 199
Katayama, Y., see Tsuji, K. 205–207 (1996) 295
Katayama, Y., see Tsuji, K. 205–207 (1996) 518
Kato, H., see Kojima, M. 218 (1997) 230
Katoh, K., see Suzuki, Y. 218 (1997) 30
Katzir, A., see Nagli, L. 217 (1997) 208
Kaul, S.N., see Babu, P.D. 220 (1997) 147
Kaung, P., see Kubuki, S. 209 (1997) 87
Kawaguchi, T., S. Maruno and S.R. Elliott, Compositional dependence of the photoinduced surface deposition of metallic silver in Ag–As–S glasses 211 (1997) 187
Kawaguchi, T., S. Maruno and S.R. Elliott, Optical and electrical properties of amorphous Cu-rich Cu–Ge–S films: Photoinduced and thermally induced phenomena 204 (1996) 83
Kawaguchi, T., S. Maruno and S.R. Elliott, Photoelectro-ionic processes in photoinduced surface deposition of metallic silver on a chalcogenide glass 202 (1996) 107
Kawaguchi, T., S. Maruno and S.R. Elliott, Photoinduced surface deposition of metallic silver in Ag–As–S glasses: effect of addition of other elements 212 (1997) 166
Kawai, A., see Yoda, S. 208 (1996) 191

Kawakita, Y., M. Yao, H. Endo and J. Dong, Static and dynamic structures of liquid tellurium containing alkalis 205–207 (1996) 447
Kawakita, Y., see Inui, M. 205–207 (1996) 159
Kawakita, Y., see Maruyama, K. 205–207 (1996) 106
Kawakita, Y., see Takeda, S. 205–207 (1996) 151
Kawakita, Y., see Takeda, S. 205–207 (1996) 365
Kawamoto, E.H., see Regan, M.J. 205–207 (1996) 762
Kawasaki, K., see Itami, T. 205–207 (1996) 375
Kawasaki, T., see Oota, M. 209 (1997) 69
Kawasaki, Y., see Nogami, M. 211 (1997) 208
Kawazoe, H., see Hosono, H. 203 (1996) 334
Kawazoe, Y., see Aihara Jr., T. 205–207 (1996) 875
Kayani, A.N., see Iqbal, T. 213–214 (1997) 404
Keding, R. and C. Rüssel, Electrochemical nucleation for the preparation of oriented glass ceramics 219 (1997) 136
Kelton, K.F., K.L. Narayan, L.E. Levine, T.C. Cull and C.S. Ray, Computer modeling of non-isothermal crystallization 204 (1996) 13
Kelton, K.F., see Lakshmi Narayan, K. 220 (1997) 222
Kelton, K.F., see Ray, C.S. 204 (1996) 1
Kennedy, B.W., see Hobson, P.R. 213–214 (1997) 147
Keppler, H., see Zotov, N. 202 (1996) 153
Kerner, R. and M. Micoulaut, On the glass transition temperature in covalent glasses 210 (1997) 298
Khalilev, V.D., P. Ebeling and N.U. Vinogradova, The influence of oxide doping on some optical properties of fluoroaluminate glasses 204 (1996) 196
Khalilev, V.D., see Bogomolova, L.D. 202 (1996) 178
Kharlamov, A.A., R.M. Almeida and J. Heo, Vibrational spectra and structure of heavy metal oxide glasses 202 (1996) 233
Kharrazi, M., see Granqvist, C.G. 218 (1997) 273
Khattak, G.D., M.A. Salim, A.S. Al-Harthi, D.J. Thompson and L.E. Wenger, Structure of molybdenum-phosphate glasses by X-ray photoelectron spectroscopy (XPS) 212 (1997) 180
Kiefer, W., see Riegel, B. 211 (1997) 294
Kikegawa, T., see Katayama, Y. 205–207 (1996) 451
Kim, H.G., T. Komatsu, K. Shioya, K. Matusita, K. Tanaka and K. Hirao, Transparent tellurite-based glass-ceramics with second harmonic generation 208 (1996) 303
Kim, K.H., D.R. Torgeson, F. Borsa, J.P. Cho, S.W. Martin, I. Svare and G. Majer, Evidence of complex ionic motion in $xLi_2S + (1-x)B_2S_3$ glassy fast ionic conductors from ^7Li and ^{11}B NMR and ionic conductivity measurements 211 (1997) 112
Kim, T.S., see Lee, M. 211 (1997) 143
Kim, Y.S., W.Y. Cho, Y.B. Shin and J. Heo, Emission characteristics of Ge–Ga–S glasses doped with Tm^{3+}/Ho^{3+} 203 (1996) 176
Kiminami, C.S., see Perdigão, M.N.R.V. 219 (1997) 170
Kiminami, C.S., see Sousa, C.A.C. 219 (1997) 155
Kimura, S., see Andonov, P. 205–207 (1996) 163
Kinbara, A., see Kusano, E. 218 (1997) 58
Kincs, J. and A. Soufiane, Ionic conduction in fluoroindogallate glasses: percolative behavior on the substitution of gallium fluoride for indium fluoride 213–214 (1997) 388
King, H.W., see Carter, M.M.C. 220 (1997) 127
King, T.A., see Li, X. 204 (1996) 235
Kinsman, B.E., see Jha, A. 213–214 (1997) 101
Kirchhoff, F., J.M. Holender and M.J. Gillan, The liquid Ag–Se system studied by ab initio simulations 205–207 (1996) 79
Kirchhoff, F., M.J. Gillan and J.M. Holender, Ab initio simulation of high-temperature liquid selenium 205–207 (1996) 924
Kirkedelen, M.B., see Einarsrud, M.-A. 215 (1997) 169
Kishimoto, S. and K. Hirao, Direct observation of time-resolved excited state absorption on Tm^{3+}-doped various glasses using a laser-flash pump-probe spectroscopy 213–214 (1997) 393
Kitamura, S., see Oota, M. 209 (1997) 69
Kitchin, S., see Wootton, A.M. 204 (1996) 217
Kityk, I.V., see Shpotyuk, O.I. 215 (1997) 218
Kiyozumi, Y., see Izutsu, H. 212 (1997) 40
Klein, H., L. Descôtes, M. Audier, R. Bellissent and F. Hippert, Local order of molten quasicrystals and approximant phases 205–207 (1996) 6
Klement, U., see Stiller, C. 205–207 (1996) 620
Kliava, J., R. Berger, Y. Servant, J. Emery, J.M. Grenèche and J. Trokšs, Electron paramagnetic resonance and Mössbauer effect studies in iron-doped ^{57}Fe isotope enriched phosphate glasses 202 (1996) 205
Klissurski, D., see Iordanova, R. 204 (1996) 141
Knake, H., see Habelitz, S. 220 (1997) 291
Ko, M.-J., J. Plawsky and M. Birnboim, Fabrication of CdS/Ag hybrid quantum dot composites using a melt/quench method 203 (1996) 211
Kobayashi, K., Improvement of polarizable capacitance–voltage curves of MOS capacitors passivated with BN-and PbF_2-containing SiO_2–B_2O_3–GeO_2 glasses 217 (1997) 323
Kobayashi, M., see Arai, T. 205–207 (1996) 879
Koch, C.C., see Nasu, T. 205–207 (1996) 527
Koch, V.-P., see Pietraß, T. 202 (1996) 68
Köhl, M., see Graf, W. 218 (1997) 380
Kohn, S., see Hugenschmidt, C. 217 (1997) 72

Koishi, T., Y. Shirakawa and S. Tamaki, Shear viscosity of liquid metals obtained by non-equilibrium molecular dynamics 205–207 (1996) 383
Kojima, K., see Sreedhar, B. 203 (1996) 172
Kojima, K., see Sumalatha, Ch. 203 (1996) 84
Kojima, K., see Tsuneoka, T. 202 (1996) 297
Kojima, M., H. Kato and M. Gatto, Microstructure and electrical properties of Sb–Sn–O thin films 218 (1997) 230
Kokanović, I., B. Leontić and J. Lukatela, The resistivity and the magnetoresistivity of hydrogen-doped $Zr_{67}Co_{33}$ metallic glass 205–207 (1996) 673
Kokoszkiewicz, A., see Pękała, K. 211 (1997) 72
Kolb, U., D. Gutwerk, R. Beudert and H. Bertagnolli, An IR- and EXAFS-study of the precursor system lead(II) acetate trihydrate, dissolved in methanol and 2-methoxyethanol 217 (1997) 162
Kolb, U., see Dubiel, M. 220 (1997) 30
Kolgunov, D.A., see Burkov, A.T. 205–207 (1996) 332
Koltypin, Yu., G. Katabi, X. Cao, R. Prozorov and A. Gedanken, Sonochemical preparation of amorphous nickel 201 (1996) 159
Komatsu, T. and K. Shioya, Role of Te valence on phases crystallized in K_2O–Nb_2O_5–TeO_2 glasses 209 (1997) 305
Komatsu, T., see Kim, H.G. 208 (1996) 303
Komatsu, T., see Sato, R. 201 (1996) 222
Komissarov, V.A., see Konovalov, I.I. 205–207 (1996) 536
Kondo, I., see Kusano, E. 218 (1997) 58
Konovalov, I.I., V.A. Komissarov, A.A. Maslov and V.K. Orlov, Bulk amorphous plate production by a casting process 205–207 (1996) 536
Koo, J., B.-S. Bae and H.-K. Na, Raman spectroscopy of copper phosphate glasses 212 (1997) 173
Koone, N.D., J.D. Guo and T.W. Zerda, Diffusion of Er^{3+} in porous sol–gel glass 211 (1997) 150
Kopylov, N., see Kortan, A.R. 213–214 (1997) 90
Kopylov, N., see Niu, L. 213–214 (1997) 358
Kordas, G., see Karakassides, M.A. 202 (1996) 198
Korekawa, M., see Fukazawa, T. 203 (1996) 102
Kormanyos, K.R., Controlled differential forced convection heating for glass tempering processes 218 (1997) 235
Korobenko, V.N. and A.I. Savvatimski, The electrical resistance and enthalpy of industrial alloys based on nickel and copper 205–207 (1996) 678
Kortan, A.R., N. Kopylov, E. Özdaş and R. Pafchek, A novel method for fabricating optical fiber preforms 213–214 (1997) 90
Kortan, A.R., see Naugle, D.G. 205–207 (1996) 17
Kortan, A.R., see Niu, L. 213–214 (1997) 358
Koslowski, Th., see Beck, U. 205–207 (1996) 52
Koslowski, Th., see Dücker, H. 205–207 (1996) 32
Köstlin, H., G. Frank, G. Hebbinghaus, H. Auding and K. Denissen, Optical filters on linear halogen-lamps prepared by dip-coating 218 (1997) 347
Kosugi, T., see Zhu, D.-M. 202 (1996) 88
Kotkata, M.F., K.M. Kandil and M.S. Al-Kotb, Electrical and optical studies on amorphous $CuInSe_2$ films 205–207 (1996) 180
Kotkata, M.F., K.M. Kandil, M.H. El-Fouly and M.M. Ibrahim, Preparation and characterization of co-evaporated a-GaAs films 205–207 (1996) 176
Kounavis, P. and E. Mytilineou, The defect states in sputtered Ge–Se–Bi films 201 (1996) 119
Koura, N., T. Endo and Y. Idemoto, The electrodeposition of amorphous Co–Zn alloy from ambient temperature molten salt electrolytes 205–207 (1996) 650
Kovalenko, N.P., see Krasny, Y.P. 205–207 (1996) 669
Kovneristyi, Yu.K., see Molokanov, V.V. 205–207 (1996) 508
Koyano, T., see Fukunaga, T. 205–207 (1996) 660
Kozhevnikov, V., D. Arnold, E. Grodzinskii and S. Naurzakov, Cluster phase transitions and critical phenomena in fluid mercury 205–207 (1996) 256
Kozhevnikov, V.F., see Arnold, D.I. 205–207 (1996) 459
Kozlov, V., see Dmitruk, L. 213–214 (1997) 311
Kozuka, H., see Innocenzi, P. 201 (1996) 26
Kraatz, K.H., see Mathiak, G. 205–207 (1996) 412
Krajčí, M. and J. Hafner, Structural and electronic properties of liquid and amorphous carbon calculated by the 'fuzzy' tight-binding Monte Carlo method 205–207 (1996) 846
Krajewski, T., see Aegerter, M.A. 218 (1997) 123
Krämer, S., see Munro, B. 218 (1997) 185
Kranold, R., see Hoell, A. 208 (1996) 294
Kranold, R., see Walter, G. 217 (1997) 299
Krasny, Y.P., N.P. Kovalenko and V.A. Tesis, Superconductive properties of binary amorphous alloys 205–207 (1996) 669
Krasteva, V., D. Machewirth and G.H. Sigel Jr., Pr^{3+}-doped Ge–S–I glasses as candidate materials for 1.3 μm optical fiber amplifiers 213–214 (1997) 304
Krasteva, V., see Machewirth, D.P. 213–214 (1997) 295
Kraus, J., see Baricco, M. 213–214 (1997) 79
Kraus, J., see Braglia, M. 201 (1996) 237
Kraus, J., see Braglia, M. 213–214 (1997) 325
Kraus, J., see Braglia, M. 213–214 (1997) 44
Kravets, V.G., see Stetsun, A.I. 202 (1996) 113
Kreitmeier, S., see Wittkop, M. 201 (1996) 199
Kresse, G., Ab initio molecular dynam-

ics applied to the dynamics of liquid metals and to the metal–non-metal transition 205–207 (1996) 833
Kresse, G., see Seifert, K. 205–207 (1996) 871
Krug, H., see Munro, B. 218 (1997) 185
Krug, H., see Rehman, H.U. 211 (1997) 105
Krug, H., see Schelle, C. 218 (1997) 163
Kubuki, S., T. Nishida, P. Kaung, T. Yagi and Y. Maeda, Application of the IR transmission method and the Mössbauer effect to the crystallization of calcium gallate glass 209 (1997) 87
Kuchinsky, S., see Dotsenko, A. 218 (1997) 317
Küchler, R., see Jain, H. 203 (1996) 320
Küchler, R., see Kanert, O. 203 (1996) 252
Kudo, I., see Masaki, T. 205–207 (1996) 338
Kullman, L., see Granqvist, C.G. 218 (1997) 273
Kumar, S., see Agarwal, P. 201 (1996) 163
Kumeda, M., see Masuda, A. 217 (1997) 121
Kurachi, K., see Nasu, H. 217 (1997) 182
Kuraoka, K., see Tanaka, H. 215 (1997) 262
Kuribayasi, K., see Itami, T. 205–207 (1996) 375
Kurosawa, K., see Ohmukai, M. 202 (1996) 77
Kusano, E., A. Kinbara and I. Kondo, Formation of compositionally graded multilayer films by discharge gas flow modulation in magnetron sputtering 218 (1997) 58
Kutsch, B., O. Lyon, M. Schmitt, M. Mennig and H. Schmidt, Investigations of the electronic structure of nanoscaled gold-colloids in sol–gel-coatings 217 (1997) 143
Kuwano, I., see Ushio, Y. 218 (1997) 312
Kuzmany, H., see Meingast, C. 201 (1996) 167
Kuznetsov, S.L., M.D. Mikhailov, I.M. Pecheritsyn and E.Yu. Turkina, Structural chemical processes at the synthesis of chalcogenide glasses 213–214 (1997) 68
Kuznetsov, V.N., E.G. Ponomareva and N.I. Noskova, Nanocrystallization of amorphous Pd–Cu–Si alloy under creep conditions 205–207 (1996) 829

Łabuś, S., see Małecki, A. 212 (1997) 55
LaCourse, W.C., see Hach, C.T. 209 (1997) 159
Lagraa, A., see Capron, N. 216 (1997) 10
Lague, S.B., A.C. Barnes, A.D. Archer and W.S. Howells, The electronic properties and structure of liquid Tl–Se and Ga–Se alloys. 205–207 (1996) 89
Lague, S.B., see Archer, A.D. 205–207 (1996) 126
Lahaderne, R.B., see Mathew, J.G.H. 218 (1997) 342
Lai, S.K., Spin susceptibility for liquid alkali metals 205–207 (1996) 342
Laine, M.J., see Seddon, A.B. 213–214 (1997) 168
Lakshmana Rao, J., A. Murali and E. Dhananjaya Rao, Electron paramagnetic resonance and optical absorption spectra of Fe(III) ions in alkali zinc borosulphate glasses 202 (1996) 215
Lakshmi Narayan, K. and K.F. Kelton, First measurements of time-dependent nucleation as a function of composition in $Na_2O \cdot 2CaO \cdot 3SiO_2$ glasses 220 (1997) 222
Lamouroux, F., N. Can, P.D. Townsend, B.W. Farmery and D.E. Hole, Ion beam analysis of float glass surface composition 212 (1997) 232
Lamparter, P., see Nuding, Ma. 205–207 (1996) 583
Landa, A., H. Häkkinen, R.N. Barnett, P. Wynblatt and U. Landman, Molecular dynamics study of disordering, roughening, and premelting of the Pb(110) surface 205–207 (1996) 767
Landman, U., see Landa, A. 205–207 (1996) 767
Landron, C., Ph. Odier and F. Villain, Zirconia processing by a sulphate route: Structural investigation of the aerosol precursor 204 (1996) 65
Lang, D., see Aronin, A. 208 (1996) 139
Langenscheidt, E., see Zhu, Z. 217 (1997) 173
Lanotte, L., see Kaczkowski, Z. 205–207 (1996) 683
Lara, V.H., see Mendoza-Serna, R. 217 (1997) 30
Lasaga, A.C., see Davis, M.J. 219 (1997) 62
Latuch, J., see Pękała, K. 211 (1997) 72
Latz, R., C. Daube, T. Haranou, B. Ocker and K. Suzuki, Microwave plasma assisted sputtering 218 (1997) 329
Lauinger, C., see Boyen, H.-G. 205–207 (1996) 776
Laurent, Y., see Rocherullé, J. 211 (1997) 222
Lebullenger, R. and M. Poulain, Influence of barium substitution on the physical characteristics of ZBLA glass 213–214 (1997) 353
Lecante, P., see Burian, A. 212 (1997) 23
Le Deit, C. and M. Poulain, Alkali fluorozirconate glasses 213–214 (1997) 49
Lee, C.-H., see Yoon, J.-H. 209 (1997) 193
Lee, D.H., see Moss, R.W. 218 (1997) 105
Lee, M., T.S. Kim and Y.S. Choi, Third-order optical nonlinearities of sol–gel-processed $Au–SiO_2$ thin films in the surface plasmon absorption region 211 (1997) 143
Lee, M., see Schroeder, J. 203 (1996) 186
Lee, M., see Schroeder, J. 203 (1996) 217
Lee, S., see Regan, M.J. 205–207 (1996) 762
Lee, W.E., see James, P.F. 219 (1997) 17
Lee, Y.-K., see Song, S.-M. 217 (1997) 79
Le Flem, G., see Fargin, E. 203 (1996) 96
Le Floch, M., see Boussard-Plédel, C. 209 (1997) 247
LeFol, O., see Viana, B. 215 (1997) 96
Le Foulgoc, K., see Lucas, J. 203 (1996) 127
Lehan, J.P. and C.K. Carniglia, Equiva-

lent circuit model for large-area ac magnetron sputtering of dielectrics 218 (1997) 62
Leichtweiß, O., see Winter, R. 205–207 (1996) 66
Leite, M.L.G., see Zanotto, E.D. 202 (1996) 145
Le Maguer Mayot, A., see Gnado, J. 208 (1996) 247
Lembke, U., see Hoell, A. 208 (1996) 294
Lemercier, H., T. Rouxel, D. Fargeot, J.-L. Besson and B. Piriou, Yttrium SiAlON glasses: structure and mechanical properties — elasticity and viscosity 201 (1996) 128
Lemercier, H., see Besson, J.-L. 211 (1997) 1
Leone, M., R. Boscaino, M. Cannas and F.M. Gelardi, Low temperature photoluminescence spectroscopy relationship between 3.1 and 4.2 eV bands in vitreous silica 216 (1997) 105
Leone, M., see Cannas, M. 216 (1997) 99
Leontić, B., see Kokanović, I. 205–207 (1996) 673
Lepage, J., A. Burneau, N. Guyot and G. Maurice, Porous silica–water interactions. II. Mechanical and dielectric effects 217 (1997) 11
Lepage, J., see Burneau, A. 217 (1997) 1
Lerminiaux, C., see Belykh, A. 213–214 (1997) 238
Le Sauze, A., E. Gueguen and R. Marchand, Nitrided glass as a reaction medium: reduction of Ag and Cu within a phosphorus oxynitride glass matrix 217 (1997) 83
Levine, L.E., see Kelton, K.F. 204 (1996) 13
Lewis, M.H., see Wootton, A.M. 204 (1996) 217
Li, F.S., see Yao, B. 217 (1997) 317
Li, J.C.M., see Yang, F. 212 (1997) 126
Li, J.C.M., see Yang, F. 212 (1997) 136
Li, Q., see Shen, J. 220 (1997) 102
Li, W. and R.J. Willey, Stability of hydroxyl and methoxy surface groups on silica aerogels 212 (1997) 243
Li, X. and T.A. King, Spectroscopic studies of sol–gel-derived organically modified silicates 204 (1996) 235
Li, Y., see Hng, H.H. 208 (1996) 127
Liang, K., see Cheng, K. 215 (1997) 134
Liarokapis, E., see Danesh, P. 204 (1996) 265
Licciulli, A., see De, G. 201 (1996) 153
Licciulli, A., see De, G. 201 (1996) 250
Lin, C., J.A. Ritter and M.D. Amiridis, Effect of thermal treatment on the nanostructure of SiO_2–Al_2O_3 xerogels 215 (1997) 146
Lin, C.-C., see Wu, H.-F. 209 (1997) 76
Lin, I.-C. and A. Navrotsky, Heat capacity of glass-forming fluorozirconates 215 (1997) 125
Lin, I.-C., A. Navrotsky, J. Ballato and R.E. Riman, High-temperature calorimetric study of glass-forming fluorozirconates 215 (1997) 113
Lin, J.-S. and P. Shen, Fabrication of CaO–ZrO_2–TiO_2–Al_2O_3–B_2O_3–SiO_2 glasses and glass-ceramics. I 204 (1996) 135
Lin, M.-h., see Chen, S.-w. 220 (1997) 243
Lin, S.-L. and C.-S. Hwang, Structures of CeO_2–Al_2O_3–SiO_2 glasses 202 (1996) 61
Lin, X.M., see Yao, B. 217 (1997) 317
Lindström, T., see Granqvist, C.G. 218 (1997) 273
Lintern, A.L., see Hobson, P.R. 213–214 (1997) 147
Lipinska-Kalita, K.E., F. Auzel and P. Santa-Cruz, Raman and spectroscopic studies of the early steps of crystallization in ZrF_4–LaF_3–AlF_3–ErF_3 glass 204 (1996) 188
Lippens, P.E., see Durand, J.-M. 208 (1996) 36
Listiorini, E., see Hamdan, H. 211 (1997) 126
Litton, D.A. and S.H. Garofalini, Vitreous silica bulk and surface self-diffusion analysis by molecular dynamics 217 (1997) 250
Liu, B.X., see Chen, Y.G. 217 (1997) 308
Liu, B.X., see Jin, O. 211 (1997) 180
Liu, H.Z., see Yao, B. 205–207 (1996) 554
Liu, J., see Salmon, P.S. 205–207 (1996) 172
Liu, K.W., J.S. Zhang, J.G. Wang and G.L. Chen, Structure evolution of amorphous Ti–Al–Si during annealing 215 (1997) 140
Löbmann, P., J. Gross, W. Glaubitt and J. Fricke, Structural investigations on lead titanate xerogels and aerogels 201 (1996) 66
Logan, D.E., see Dücker, H. 205–207 (1996) 32
Lohani, R., see Joshi, B.C. 215 (1997) 103
Loheider, S., see Tverjanovich, A. 208 (1996) 49
Loidl, A., see Pimenov, A. 212 (1997) 89
Loidl, A., see Pimenov, A. 220 (1997) 93
Long, G.J., see Yu, X. 215 (1997) 21
Lopez, A., see Baniel, P. 203 (1996) 143
Lorenz, R., see Spišák, D. 205–207 (1996) 624
Lo Russo, S., see Bogomolova, L.D. 202 (1996) 178
Louis-Achille, V., see Delaye, J.M. 210 (1997) 232
Lovas, A., see Kaptay, G. 205–207 (1996) 742
Lozzi, L., see Santucci, S. 216 (1997) 156
Lu, K., see Lück, R. 205–207 (1996) 811
Lucas, B., see Arnault, L. 210 (1997) 87
Lucas, J., X.H. Zhang, K. Le Foulgoc, G. Fonteneau and E. Fogret, Non-oxide glasses for optical waveguide applications 203 (1996) 127
Lucas, J., see Adam, J.L. 213–214 (1997) 30
Lucas, J., see Azkargorta, J. 213–214 (1997) 271
Lucas, J., see Binnemans, K. 204 (1996) 178
Lucas, J., see Boussard-Plédel, C. 209 (1997) 247
Lucas, J., see Josse, E. 213–214 (1997) 152
Lucas, J., see Matecki, M. 213–214 (1997) 409
Lucas, J., see Méresse, Y. 213–214 (1997) 55
Lück, R. and D.H. Warrington, Spherical geometric representation of coin-

cidence site lattice (CSL) rotations for icosahedral symmetry 205–207 (1996) 25
Lück, R., K. Lu and Z.F. Dong, Magnetothermal analysis of the amorphous to nanocrystal transformation 205–207 (1996) 811
Lück, R., see Aronin, A. 208 (1996) 139
Lück, R., see Wang, H. 205–207 (1996) 417
Lukatela, J., see Kokanović, I. 205–207 (1996) 673
Lunkenheimer, P., see Pimenov, A. 220 (1997) 93
Lunter, S., see Belykh, A. 213–214 (1997) 238
Lurio, L.B., see Persans, P.D. 203 (1996) 192
Lutz, J.P., see Grosdidier, B. 205–207 (1996) 393
Lyapin, A.G., see Brazhkin, V.V. 212 (1997) 49
Lyon, O., see Kutsch, B. 217 (1997) 143
Lyonnard, S., G. Coddens, B. Hennion, R. Bellissent and Y. Calvayrac, First results on the anisotropy of the quasi-elastic neutron scattering signal from phason dynamics in a single-grain quasicrystal of AlPdMn 205–207 (1996) 11

Ma, F., see Dong, D. 204 (1996) 260
MacDonald, J.R., Erratum. Accurate fitting of immittance spectroscopy frequency-response data using the stretched exponential model, J. Non-Cryst. Solids 212 (1997) 95–116 220 (1997) 107
Macdonald, J.R., Accurate fitting of immittance spectroscopy frequency-response data using the stretched exponential model 212 (1997) 95
Macdonald, J.R., Erratum to 'Analysis of dispersed, conducting-system frequency-response data' [J. Non-Cryst. Solids 197 (1996) 83–110] 204 (1996) 309
Macdonald, J.R., Possible universalities in the ac frequency response of dispersed, disordered materials 210 (1997) 70
MacFarlane, D.R., C.R. Bradbury, P.J. Newman and J. Javorniczky, Faraday rotation in rare earth fluorozirconate glasses 213–214 (1997) 199
MacFarlane, D.R., J. Javorniczky, P.J. Newman, V. Bogdanov, D.J. Booth and W.E.K. Gibbs, High Er(III) content ZBN glasses for microchip laser applications 213–214 (1997) 158
MacFarlane, D.R., P.J. Newman and H. Downes, Preparation and properties of glasses based on the ZrF_4/SnF_2 binary 213–214 (1997) 116
MacFarlane, D.R., see Gruenhut, S. 213–214 (1997) 398
MacFarlane, D.R., see Hey, J.M. 211 (1997) 262
Machado Ferraz, A., see Barros Filho, D.A. 213–214 (1997) 336
Machewirth, D., see Krasteva, V. 213–214 (1997) 304
Machewirth, D.P., K. Wei, V. Krasteva, R. Datta, E. Snitzer and G.H. Sigel Jr., Optical characterization of Pr^{3+} and Dy^{3+} doped chalcogenide glasses 213–214 (1997) 295
Machida, S., see Matsuura, K. 217 (1997) 136
Machov, V., see Dmitruk, L. 213–214 (1997) 311
Maciel, G.E., see El-Nahhal, I.M. 208 (1996) 105
Maciel, G.E., see Yang, J.J. 204 (1996) 105
Maciel, G.E., see Yang, J.J. 209 (1997) 19
Maciel, G.E., see Yang, J.J. 212 (1997) 281
MacKenzie, K.J.D., see Schmücker, M. 217 (1997) 99
Macrelli, G., E. Poli, H. Demiryont and R. Götzelmann, Optical measurements and modeling of an all solid state inorganic thin film electrochromic system 218 (1997) 296
Maeda, K., see Izutsu, H. 212 (1997) 40
Maeda, K., see Qiu, J. 213–214 (1997) 363
Maeda, M., see Abe, Y. 209 (1997) 204
Maeda, Y., see Kubuki, S. 209 (1997) 87
Maekawa, T., see Yokozeki, M. 202 (1996) 241
Magistris, A., see Mustarelli, P. 215 (1997) 51
Magnussen, O.M., see Regan, M.J. 205–207 (1996) 762
Magruder III, R.H., see Anderson, T.S. 203 (1996) 114
Magruder III, R.H., see Morimoto, Y. 203 (1996) 55
Maier, K., see Hugenschmidt, C. 217 (1997) 72
Majer, G., see Kim, K.H. 211 (1997) 112
Makishima, A., see Ishiwaki, T. 203 (1996) 43
Małecki, A., R. Gajerski, S. Łabuś, B. Prochowska-Klisch and J. Obłąkowski, Kinetics and mechanism of crystallization of gehlenite glass pure and doped with Co^{2+}, Eu^{3+}, Cr^{3+} and Th^{4+} 212 (1997) 55
Malta, O.L., see Flórez, A. 213–214 (1997) 315
Manabe, C., see Oota, M. 209 (1997) 69
Mandrus, D., see He, Y. 205–207 (1996) 602
Manokhin, A.B., see Vyatkin, G.P. 205–207 (1996) 563
Mao, H.-k., see Hemley, R.J. 205–207 (1996) 282
Mao, M. and Z. Altounian, Reversible enthalpy relaxation in $Zr_{67}(Ni_{1-x}Cu_x)_{33}$ metallic glasses 205–207 (1996) 633
Mao, M., Z. Altounian and D.H. Ryan, The glass transition in $Zr_{67}(Ni_{1-x}Cu_x)$ metallic glasses 205–207 (1996) 476
Maouad, A., see de la Bardonnie, M. 216 (1997) 209
Marchand, R., see Le Sauze, A. 217 (1997) 83
Marchese, D. and A. Jha, The structural aspects of the solubility of Pr^{3+} ions in GeS_2-based glasses 213–214 (1997) 381
Margaça, F.M.A., I.M. Miranda Salvado and J. Teixeira, SANS of $ZrO_2 \cdot SiO_2$ gels 209 (1997) 143
Mariotto, G., see Cazzanelli, E. 208 (1996) 89
Marotta, A., see Pernice, P. 210 (1997) 23
Marotti, R.E., see Barbosa, L.C. 219 (1997) 205
Marshall, C.D., J.A. Speth and S.A. Payne, Induced optical absorption in gamma, neutron and ultraviolet irradiated fused quartz and silica 212 (1997) 59

Martin, F., see Candelier, P. 216 (1997) 162
Martin, S.W., see Kim, K.H. 211 (1997) 112
Martin, S.W., see Vogel, E.M. 204 (1996) 95
Martinet, C., V. Paillard, A. Gagnaire and J. Joseph, Deposition of SiO_2 and TiO_2 thin films by plasma enhanced chemical vapor deposition for antireflection coating 216 (1997) 77
Martini, M., F. Meinardi, A. Paleari, L. Portinari and G. Spinolo, Role of impurities in the 5.16 eV optical absorption band of Ge-doped silica 216 (1997) 26
Martucci, A., see Brusatin, G. 220 (1997) 202
Maruno, S., see Kawaguchi, T. 202 (1996) 107
Maruno, S., see Kawaguchi, T. 204 (1996) 83
Maruno, S., see Kawaguchi, T. 211 (1997) 187
Maruno, S., see Kawaguchi, T. 212 (1997) 166
Maruyama, K., M. Misawa, M. Inui, S. Takeda, Y. Kawakita and S. Tamaki, Structural investigation of liquid Ge-chalcogen mixtures 205–207 (1996) 106
Maruyama, K., see Inui, M. 205–207 (1996) 155
Maruyama, K., see Takeda, S. 205–207 (1996) 151
Maruyama, K., see Takeda, S. 205–207 (1996) 365
Masaki, T., T. Onogi, K. Ogura, I. Kudo and T. Itami, The role of fluctuations on the electrical resistivity and atomic volume for some liquid alloys with critical mixing 205–207 (1996) 338
Masaki, T., see Itami, T. 205–207 (1996) 375
Maskil, N., see Regan, M.J. 205–207 (1996) 762
Maslov, A.A., see Konovalov, I.I. 205–207 (1996) 536
Maslyuk, V., A model for maxima in the heat capacities of chalcogenide glasses 212 (1997) 80
Massimi, P., see Grifoni, L. 216 (1997) 202
Massiot, D., see Jaymes, I. 204 (1996) 125
Massot, M., see Attos, O. 210 (1997) 163
Masuda, A., Y. Yonezawa, A. Morimoto, M. Kumeda and T. Shimizu, Influence of Pb incorporation on light-induced phenomena in amorphous $Ge_{100-x-y}Pb_xS_y$ thin films 217 (1997) 121
Masuda, N., see Ding, Y. 203 (1996) 88
Masumoto, T., see Aihara Jr., T. 205–207 (1996) 875
Masumoto, T., see Saito, M. 205–207 (1996) 721
Matecki, M., F. Smektala, J. Even, M. Bertault, Y. Delugeard and J. Lucas, Heat capacity measurement of a cadmium fluorochloride glass 213–214 (1997) 409
Matecki, M., see Rocherullé, J. 211 (1997) 222
Mathew, J.G.H., S.P. Sapers, M.J. Cumbo, N.A. O'Brien, R.B. Sargent, V.P. Raksha, R.B. Lahaderne and B.P. Hichwa, Large area electrochromics for architectural applications 218 (1997) 342
Mathiak, G., A. Griesche, K.H. Kraatz and G. Frohberg, Diffusion in liquid metals 205–207 (1996) 412
Mathieu, B., S. Blacher, R. Pirard, J.P. Pirard, B. Sahouli and F. Brouers, Freeze-dried resorcinol–formaldehyde gels 212 (1997) 250
Mathur, P.C., see Mehra, R.M. 209 (1997) 188
Matsubara, E., see Saito, M. 205–207 (1996) 721
Matsuishi, K., see Asami, T. 211 (1997) 89
Matsumoto, T., see Taniguchi, T. 211 (1997) 56
Matsumura, H., see Satoh, S. 217 (1997) 22
Matsuoka, J., R. Naruse, H. Nasu and K. Kamiya, Preparation of gold microcrystal-doped oxide optical coatings through adsorption of tetrachloroaurate ions on gel films 218 (1997) 151
Matsuoka, J., see Nasu, H. 204 (1996) 78
Matsuoka, J., see Nasu, H. 217 (1997) 182
Matsuura, K., S. Machida and K. Horie, High-temperature spectral hole burning for organic–inorganic hybrid systems: porphyrin derivative-doped alumina gels prepared by a sol–gel method 217 (1997) 136
Matsuyama, I., see Satoh, S. 217 (1997) 22
Matusita, K., see Kim, H.G. 208 (1996) 303
Matusita, K., see Sato, R. 201 (1996) 222
Matveev, Yu.A., see Belykh, A.V. 213–214 (1997) 330
Maurice, G., see Burneau, A. 217 (1997) 1
Maurice, G., see Lepage, J. 217 (1997) 11
McConville, C.F., see Mekki, A. 208 (1996) 267
McConville, C.F., see Mekki, A. 215 (1997) 271
McConville, C.F., see Mekki, A. 220 (1997) 267
McCormick, A.V., see Pozarnsky, G.A. 201 (1996) 175
McDowell, A.F., see Stoddard, R.D. 205–207 (1996) 203
McGreevy, R.L., see Winter, R. 205–207 (1996) 66
McGreevy, R.L., see van der Aart, S.A. 205–207 (1996) 71
McIntyre, B.L., see Messerschmidt, B. 217 (1997) 264
McIntyre, N.S., see Carter, M.M.C. 220 (1997) 127
McKinlay, K.J., see Hobson, P.R. 213–214 (1997) 147
McKown, C., see Buchanan, J.L. 218 (1997) 179
McMillan, P.F., see Aasland, S. 213–214 (1997) 341
Meakin, P., see Gruenhut, S. 213–214 (1997) 398
Meda, L., see Cerofolini, G.F. 216 (1997) 140
Mégret, P., see Deparis, O. 216 (1997) 124
Mehra, R.M., (1996) Inderbir, (1996) Jasmina and P.C. Mathur, Tailoring refractive index of a-Si:H by TBP ($C_4H_{11}P$) doping 209 (1997) 188
Meinardi, F., see Martini, M. 216 (1997) 26
Meinertzhagen, A., see Nebel, F. 216 (1997) 168
Meinertzhagen, A., see Yard, G. 216 (1997) 174
Meingast, C., M. Haluska and H. Kuzmany, Non-linear and non-exponential volume relaxation at the orientational 'glass' transition in solid C_{60} 201 (1996) 167

Meinhold, R., see Schmücker, M. 217 (1997) 99

Mekki, A., D. Holland and C.F. McConville, X-ray photoelectron spectroscopy study of copper sodium silicate glass surfaces 215 (1997) 271

Mekki, A., D. Holland, C.F. McConville and M. Salim, An XPS study of iron sodium silicate glass surfaces 208 (1996) 267

Mekki, A., D. Holland, Kh. Ziq and C.F. McConville, XPS and magnetization studies of cobalt sodium silicate glasses 220 (1997) 267

Mekryukov, A.M., see Belykh, A.V. 213–214 (1997) 330

Mendelev, M.I., D.K. Belashchenko and S.N. Ishmaev, Generation of $Ni_{44}Nb_{56}$ and $Ni_{62}Nb_{38}$ metallic glass computer models and investigation of their structures 205–207 (1996) 888

Méndez-Vivar, J., see Mendoza-Serna, R. 217 (1997) 30

Mendoza-Serna, R., P. Bosch, J. Padilla, V.H. Lara and J. Méndez-Vivar, Homogeneous Si–Ti and Si–Ti–Zr polymeric systems obtained from monomeric precursors 217 (1997) 30

Menelle, A., see Caccavale, F. 218 (1997) 291

Mennig, M., A. Kalleder, G. Jonschker and H. Schmidt, Sol–gel coatings for the substitution of fluoride or lead containing white decorations on glass 218 (1997) 395

Mennig, M., K. Endres, M. Schmitt and H. Schmidt, Colored coatings on eye glass lenses by noble metal colloids 218 (1997) 373

Mennig, M., see Brendel, R. 218 (1997) 391

Mennig, M., see Kalleder, A. 218 (1997) 399

Mennig, M., see Kutsch, B. 217 (1997) 143

Mennig, M., see Schelle, C. 218 (1997) 163

Menzel, R., see Hobert, H. 220 (1997) 187

Méresse, Y., G. Fonteneau and J. Lucas, New chalcogenide glasses in the system $BaS–CdS–GeS_2$ 213–214 (1997) 55

Meresse, Y., see Jurdyc, A.M. 213–214 (1997) 231

Merzbacher, C.I., see Harbison, B.B. 213–214 (1997) 16

Messaddeq, Y., S. Inoue, C.T.M. Ribeiro and L.A.O. Nunes, Spectroscopy of InF_3 based glasses containing a large amount of GdF_3 213–214 (1997) 179

Messaddeq, Y., see Barros Filho, D.A. 213–214 (1997) 336

Messaddeq, Y., see Catunda, T. 213–214 (1997) 225

Messaddeq, Y., see Diniz, R.E.O. 219 (1997) 187

Messaddeq, Y., see Flórez, A. 213–214 (1997) 315

Messaddeq, Y., see Soufiane, A. 213–214 (1997) 85

Messaddeq, Y., see de S. Menezes, L. 213–214 (1997) 256

Messerschmidt, B., C.H. Hsieh, B.L. McIntyre and S.N. Houde-Walter, Ionic mobility in an ion exchanged silver–sodium boroaluminosilicate glass for micro-optics applications 217 (1997) 264

Meyer, E., Adiabatic nucleation in glasses, polymers and liquid metals 219 (1997) 30

Meyer, E., see de Barros Brasil, V. 219 (1997) 75

Meyer, K., Characterization of the structure of binary zinc ultraphosphate glasses by infrared and Raman spectroscopy 209 (1997) 227

Mialhe, P., see de la Bardonnie, M. 216 (1997) 209

Micoulaut, M., see Kerner, R. 210 (1997) 298

Middya, A.R., see Hazra, S. 202 (1996) 81

Middya, A.R., see Hazra, S. 211 (1997) 22

Migliardo, P., see Bellissent, R. 205–207 (1996) 656

Mihalkovic, M., F. Dugain and J.-B. Suck, Vibrational density of states of decagonal $Al_{70}Co_{15}Ni_{15}$ 205–207 (1996) 701

Mikhailov, M., see Belykh, A. 213–214 (1997) 238

Mikhailov, M.D., see Belykh, A.V. 213–214 (1997) 330

Mikhailov, M.D., see Kuznetsov, S.L. 213–214 (1997) 68

Mikhailova, T.N., see Molokanov, V.V. 205–207 (1996) 508

Mikloš, P., V. Olah and J. Doupovec, Surface effect on dielectric properties of semiconducting glasses 209 (1997) 137

Mikula, A., see Karlhuber, S. 205–207 (1996) 421

Mikula, R.J., see Stanić, V. 220 (1997) 58

Milea, I., see Culea, E. 208 (1996) 199

Miller, J.M., B. Dunn, J.S. Valentine and J.I. Zink, Synthesis conditions for encapsulating cytochrome *c* and catalase in SiO_2 sol–gel materials 202 (1996) 279

Mills, K.C., see Naftaly, M. 213–214 (1997) 106

Minami, T., see Tadanaga, K. 201 (1996) 231

Minami, T., see Umesaki, N. 205–207 (1996) 225

Minke, M.V., see Jackson, K.A. 219 (1997) 100

Miotello, A., see Checchetto, R. 216 (1997) 65

Miranda Salvado, I.M., see Margaça, F.M.A. 209 (1997) 143

Misawa, M., see Fukunaga, T. 205–207 (1996) 531

Misawa, M., see Maruyama, K. 205–207 (1996) 106

Mishima, N., see Ota, R. 219 (1997) 70

Mito, A., see Nasu, H. 217 (1997) 182

Mito, T., S. Fujino, H. Takebe, K. Morinaga, S.-i. Todoroki and S. Sakaguchi, Refractive index and material dispersions of multi-component oxide glasses 210 (1997) 155

Mitsch, C., see Wilde, G. 205–207 (1996) 425

Mitsui, A., see Miyazaki, M. 218 (1997) 323

Miura, K., K. Tanaka and K. Hirao, CW laser oscillation on both the $^4F_{3/2}$–$^4I_{11/2}$ and $^4F_{3/2}$–$^4I_{13/2}$ transitions of Nd^{3+} ions using a fluoride glass microsphere 213–214 (1997) 276

Miura, K., see Qiu, J. 213–214 (1997) 266

Miura, Y., see Ding, Y. 203 (1996) 88

Miura, Y., see Himei, Y. 211 (1997) 64

Miyamoto, Y., see Fukao, K. 212 (1997) 208
Miyamura, K., see Nogami, M. 211 (1997) 208
Miyanaga, T., see Hoshino, H. 205–207 (1996) 43
Miyazaki, M., K. Sato, A. Mitsui and H. Nishimura, Properties of Ga-doped ZnO films 218 (1997) 323
Miyazaki, S., see Xu, J. 208 (1996) 277
Mizukami, F., see Izutsu, H. 212 (1997) 40
Mizukami, M., see Fujimori, H. 204 (1996) 38
Mizuno, J., see Yano, T. 213–214 (1997) 345
Mizutani, U., see Fukunaga, T. 205–207 (1996) 531
Mizutani, U., see Fukunaga, T. 205–207 (1996) 660
Mo, Z.Q., see Fu, J.K. 218 (1997) 403
Moccia, G., see Bordoni, F. 216 (1997) 180
Moccia, G., see Santucci, S. 216 (1997) 156
Mohring, H.-D., C.-D. Abel, R. Brüggemann and G.H. Bauer, Erratum to "Characterization of high electronic quality a-SiC:H films by $\mu\tau$-products for electrons and holes". [J. Non-Cryst. Solids 137&138 (1991) 847] 210 (1997) 306
Molev, V., see Nagli, L. 217 (1997) 208
Möller, J., J. Schmelzer and I. Gutzow, Elastic stresses in surface crystallization of glasses: phase transformations at spike tips 219 (1997) 142
Molokanov, V.V., M.I. Petrzhik, T.N. Mikhailova and Yu.K. Kovneristyi, Supercooled liquid region in Zr–Cu based bulk amorphous alloys 205–207 (1996) 508
Monahan, B.C., see Crowder, C.E. 210 (1997) 209
Mondon, F., see Candelier, P. 216 (1997) 162
Mondon, F., see Yard, G. 216 (1997) 174
Monelli, A., see Corni, F. 216 (1997) 71
Monnom, G., see Goutaland, F. 216 (1997) 135
Montagna, M., see Bettinelli, M. 201 (1996) 211
Montagna, M., see Sbetti, M. 220 (1997) 217
Montagne, L., G. Palavit and R. Delaval, ^{31}P NMR in $(100-x)(NaPO_3)$–xZnO glasses 215 (1997) 1
Montani, R.A., A kinetic model for the mixed alkali effect on ionic conducting glasses 215 (1997) 307
Montecchi, M., see Caccavale, F. 218 (1997) 291
Moore, M.W., see Morgan, S.P. 213–214 (1997) 72
Morais, P.J., see Almeida, R.M. 213–214 (1997) 251
Morgan, S.H., see Pan, Z. 210 (1997) 130
Morgan, S.P., D. Furniss and A.B. Seddon, Lanthanum–fluoride addition to gallium–lanthanum–sulphide glasses 203 (1996) 135
Morgan, S.P., D. Furniss, A.B. Seddon and M.W. Moore, Effect of glass purity on the glass stability and physical properties of Ga–La–S glasses 213–214 (1997) 72
Mori, K., see Sumalatha, Ch. 203 (1996) 84
Mori, T., see Uemura, O. 205–207 (1996) 194
Morimoto, A., see Masuda, A. 217 (1997) 121
Morimoto, Y., R.A. Weeks, A.V. Barnes, N.H. Tolk and R.A. Zuhr, Electron dose dependence and oxygen implantation effect on cathodoluminescence intensity in synthetic silica glass 203 (1996) 62
Morimoto, Y., R.A. Weeks, R.H. Magruder III and R.A. Zuhr, Optical and electron paramagnetic resonance spectra of silica glass implanted with oxygen ions 203 (1996) 55
Morimoto, Y., see Tsuji, K. 205–207 (1996) 295
Morinaga, K., see Abe, K. 212 (1997) 143
Morinaga, K., see Mito, T. 210 (1997) 155
Morinaga, K., see Murata, T. 220 (1997) 139
Moriyasu, T., see Yokozeki, M. 202 (1996) 241
Morkel, Chr., see Balucani, U. 205–207 (1996) 299
Morkel, Chr., see Stangl, A. 205–207 (1996) 402
Moroni, S., see Senatore, G. 205–207 (1996) 851
Morrison, T.I., see Yang, D.S. 210 (1997) 275
Mortensen, K., see Einarsrud, M.-A. 215 (1997) 169
Moser, E., see Fontana, A. 212 (1997) 292
Moser, E., see Sbetti, M. 220 (1997) 217
Moser, Z., see Gasior, W. 205–207 (1996) 379
Moss, R.W., D.H. Lee, K.D. Vuong, R.A. Condrate, Sr., X.W. Wang, M. DeMarco and J. Stuckey, Functional ITO coatings on glasses by RF plasma mist technique in ambient atmosphere 218 (1997) 105
Mosset, A., see Burian, A. 212 (1997) 23
Mosso, S., see Baricco, M. 213–214 (1997) 79
Mosso, S., see Braglia, M. 201 (1996) 237
Mosso, S., see Braglia, M. 213–214 (1997) 325
Mosso, S., see Braglia, M. 213–214 (1997) 44
Mousdis, G., see Karakassides, M.A. 202 (1996) 198
Moynihan, C.T., Analysis of electrical relaxation in ionically conducting glasses and melts 203 (1996) 359
Moynihan, C.T., see Schroeder, J. 203 (1996) 186
Mu, R., see Henderson, D.O. 205–207 (1996) 788
Müggenburg, T., see Grosse, P. 218 (1997) 38
Mugnier, J., see Bahtat, A. 202 (1996) 16
Muhid, M.N.M., see Hamdan, H. 211 (1997) 126
Müller, M., see Kaczkowski, Z. 205–207 (1996) 683
Müller, R., Surface nucleation in cordierite glass 219 (1997) 110
Müller, S.C., see Nattland, D. 205–207 (1996) 772
Müller-Warmuth, W., see Buckermann, W.A. 208 (1996) 217
Mundus, C., see Buckermann, W.A. 208 (1996) 217
Munejiri, S., F. Shimojo, K. Hoshino and M. Watabe, Effective pair potential of expanded liquid rubidium obtained by the inverse method 205–207 (1996) 278
Mungan, C.E., see Fajardo, J.C. 213–214 (1997) 95
Munirathnam, N.R., see Bhatnagar, A.K. 204 (1996) 305

Munro, B., S. Krämer, P. Zapp, H. Krug and H. Schmidt, All sol–gel electrochromic system for plate glass 218 (1997) 185
Murach, J. and R. Brückner, Preparation and structure-sensitive investigations on silica glass fibers 211 (1997) 250
Murach, J. and R. Brückner, Structure-sensitive investigations on alkali metasilicate glass fibers 204 (1996) 282
Murach, J., S. Jander and R. Brückner, Structure-sensitive investigations on alkali disilicate glass fibers with reference to metasilicate- and silica glass fibers 217 (1997) 92
Murach, J., see Brückner, R. 208 (1996) 228
Murali, A., see Lakshmana Rao, J. 202 (1996) 215
Murata, T., M. Torisaka, H. Takebe and K. Morinaga, Compositional dependence of the valency state of Cr ions in oxide glasses 220 (1997) 139
Murata, T., see Sakaguchi, S. 220 (1997) 178
Mure-Ravaud, A., see Boukenter, A. 216 (1997) 95
Murthy, R.V.R. and V. Dutta, Effect of light soaking on a-Si:H solar cells under reverse biased annealing treatment 204 (1996) 92
Mustarelli, P., E. Quartarone, C. Tomasi and A. Magistris, Sub-T_g phase separation and devitrification of a lithium triborate sol–gel glass 215 (1997) 51
Muta, K.-i., see Awazu, K. 211 (1997) 158
Muthupari, S., see Fleet, M.E. 220 (1997) 85
Myers, S.A., see Prabakar, S. 202 (1996) 53
Mytilineou, E., see Kounavis, P. 201 (1996) 119

Na, H.-K., see Koo, J. 212 (1997) 173
Nachimuthu, P., R. Jagannathan, V. Nirmal Kumar and D. Narayana Rao, Absorption and emission spectral studies of Sm^{3+} and Dy^{3+} ions in $PbO–PbF_2$ glasses 217 (1997) 215
Nachtegaal, G., see Burkhard, D.J.M. 209 (1997) 299
Nacucchi, M., see De, G. 201 (1996) 153
Naftaly, M., A. Jha, E.R. Taylor and K.C. Mills, Viscosity measurement in halide melts 213–214 (1997) 106
Nagai, M., see Tsuchiya, Y. 205–207 (1996) 430
Nagaya, K., T. Hayakawa, M. Yao and H. Endo, Photo-induced effects on chalcogen free microclusters 205–207 (1996) 807
Nagel, S., R. Redmer and G. Röpke, Equation of state and structure factor of mercury 205–207 (1996) 247
Nagli, L., D. Bunimovich, A. Katzir, O. Gorodetsky and V. Molev, The luminescence properties of Dy-doped high silicate glass 217 (1997) 208
Naito, H., see Ohmukai, M. 202 (1996) 77
Nakagawa, K., see Kanamori, T. 213–214 (1997) 121
Nakagawa, M., T. Amano and S. Yokokura, Development of lightweight returnable bottles 218 (1997) 100
Nakai, Y., see Ichinose, N. 203 (1996) 353
Nakamura, Y., see Itoigawa, H. 210 (1997) 95
Nakamura, Y., see Itoigawa, H. 220 (1997) 210
Nakano, K., see Takahashi, Y. 218 (1997) 129
Nakatsuka, M., see Fujimoto, Y. 215 (1997) 182
Nakhla, R.I., see Sidkey, M.A. 215 (1997) 75
Nanba, T., see Himei, Y. 211 (1997) 64
Nanri, H., N. Takeuchi, S. Ishida, K. Watanabe and M. Wakamatsu, Mineralizing action of iron in amorphous silica 203 (1996) 375
Nanri, H., see Takeuchi, N. 203 (1996) 369
Narasimha Chary, M., see Shareefuddin, Md. 201 (1996) 95
Narayan, K.L., see Kelton, K.F. 204 (1996) 13
Narayan, K.L., see Ray, C.S. 204 (1996) 1
Narayana Rao, D., see Nachimuthu, P. 217 (1997) 215
Narazaki, A., see Tanaka, K. 203 (1996) 49
Nardone, M., see Buontempo, U. 205–207 (1996) 110
Naruse, R., see Matsuoka, J. 218 (1997) 151
Nash-Stevenson, S.K., see Bullock, S.R. 212 (1997) 85
Nasu, H., K. Kurachi, A. Mito, J. Matsuoka and K. Kamiya, Second harmonic generation and structure of mixed alkali titanosilicate glasses 217 (1997) 182
Nasu, H., T. Ito, H. Hase, J. Matsuoka and K. Kamiya, Third-order optical non-linearity of Bi_2O_3-based glasses 204 (1996) 78
Nasu, H., see Matsuoka, J. 218 (1997) 151
Nasu, H., see Zhou, Z.H. 215 (1997) 61
Nasu, T., M. Sakurai, K. Suzuki, C.C. Koch, A.M. Edwards and D.E. Sayers, EXAFS study on mechanically alloyed Fe–B powder mixtures 205–207 (1996) 527
Nattland, D., S.C. Müller, P.D. Poh and W. Freyland, Wetting phenomena at the liquid–vapor interface of gallium–bismuth alloys studied by spectroscopic ellipsometry 205–207 (1996) 772
Naugle, D.G., W.D. Bruton, K.D.D. Rathnayaka and A.R. Kortan, Anisotropic transport properties of the decagonal quasicrystal, $Al_{70}Ni_{15}Co_{15}$ 205–207 (1996) 17
Naugle, D.G., see Rathnayaka, K.D.D. 205–207 (1996) 665
Naurzakov, S., see Kozhevnikov, V. 205–207 (1996) 256
Naurzakov, S.P., see Arnold, D.I. 205–207 (1996) 459
Navrotsky, A., see Lin, I.-C. 215 (1997) 113
Navrotsky, A., see Lin, I.-C. 215 (1997) 125
Nebel, F., M. Jourdain, A. Meinertzhagen and P. Candelier, Generation of hot holes in MOSFET 216 (1997) 168
Neilson, G.W., see Adya, A.K. 205–207 (1996) 168

Neuman, G.A., Anti-reflective coatings by APCVD using graded index layers 218 (1997) 92
Neumann, H., F. Herwig and W. Hoyer, The short range order of liquid eutectic A_{III}–Te and A_{IV}–Te alloys 205–207 (1996) 438
Neuville, D.R., see Sipp, A. 211 (1997) 281
Newhouse, M.A., see Wu, X. 203 (1996) 120
Newman, P.J., see MacFarlane, D.R. 213–214 (1997) 116
Newman, P.J., see MacFarlane, D.R. 213–214 (1997) 158
Newman, P.J., see MacFarlane, D.R. 213–214 (1997) 199
Ng, S.C., see Hng, H.H. 208 (1996) 127
Ngai, K.L., A review of critical experimental facts in electrical relaxation and ionic diffusion in ionically conducting glasses and melts 203 (1996) 232
Ngai, K.L., see Roland, C.M. 212 (1997) 74
Nicholson, D.M.C., see Swihart, J.C. 205–207 (1996) 841
Nicklas, M., see Pimenov, A. 220 (1997) 93
Nicolazo, F., see Vallée, C. 216 (1997) 48
Niino, F., see Suzuki, Y. 218 (1997) 30
Niklasson, G.A., see Granqvist, C.G. 218 (1997) 273
Nikolaev, B. and J. Vollmann, Viscosity of Ag–Sb alloys 208 (1996) 145
Nilsen, E., see Hæreid, S. 204 (1996) 228
Nilsen, E., see Scherer, G.W. 202 (1996) 42
Nirmal Kumar, V., see Nachimuthu, P. 217 (1997) 215
Nishida, T., see Kubuki, S. 209 (1997) 87
Nishida, Y., see Kanamori, T. 213–214 (1997) 121
Nishimura, H., see Miyazaki, M. 218 (1997) 323
Niu, L., A.R. Kortan, N. Kopylov and P.H. Citrin, Local structural study of Pb-induced instability in ZBLAN glass 213–214 (1997) 358
Noda, T., see Inui, M. 205–207 (1996) 261
Nogami, M., K. Miyamura, Y. Kawasaki and Y. Abe, Six-coordinated silicon in $SrO–P_2O_5–SiO_2$ glasses 211 (1997) 208
Nogami, M., see Abe, Y. 209 (1997) 204
Nogami, M., see Cho, D.-H. 215 (1997) 192
Nomura, Y., see Sei, T. 218 (1997) 135
Nosaka, H., see Katayama, Y. 205–207 (1996) 451
Nosaka, H., see Tsuji, K. 205–207 (1996) 518
Noskova, N.I., see Kuznetsov, V.N. 205–207 (1996) 829
Nowotny, G. and G. Kahl, Single particle motion in liquid sodium: a mode-coupling analysis 205–207 (1996) 855
Nowotny, G., see Kambayashi, S. 205–207 (1996) 914
Nuding, Ma., P. Lamparter and S. Steeb, X-ray diffraction with amorphous and hydrogenated nickel–dysprosium alloys 205–207 (1996) 583
Nunes, L.A., see Diniz, R.E.O. 219 (1997) 187
Nunes, L.A.O., see Messaddeq, Y. 213–214 (1997) 179
Nymeyer, H., see Zuo, D. 205–207 (1996) 328

Obłąkowski, J., see Małecki, A. 212 (1997) 55
O'Brien, N.A., see Mathew, J.G.H. 218 (1997) 342
Ocelík, V., see Haruyama, O. 205–207 (1996) 706
Ochin, P., see Xing, L.Q. 205–207 (1996) 597
Ochin, P., see Xing, L.Q. 205–207 (1996) 637
Ocker, B., see Latz, R. 218 (1997) 329
Ocko, B.M., see Regan, M.J. 205–207 (1996) 762
Odier, Ph., see Landron, C. 204 (1996) 65
Oelhafen, P., see Boyen, H.-G. 205–207 (1996) 776
Oelhafen, P., see Cossy-Favre, A. 205–207 (1996) 587
Oelhafen, P., see Dürrwächter, M. 205–207 (1996) 322
Oelhafen, P., see Gantner, G. 205–207 (1996) 490
Ogawa, T., see Okamoto, Y. 205–207 (1996) 139
Oguni, M., 'Intra-cluster rearrangement' model for the α-process in supercooled liquids, as opposed to 'cooperative rearrangement of whole molecules within a cluster' 210 (1997) 171
Oguni, M., see Fujimori, H. 204 (1996) 38
Ogura, K., see Masaki, T. 205–207 (1996) 338
Ohishi, Y., see Kanamori, T. 213–214 (1997) 121
Ohmasa, Y., I. Yamamoto and H. Endo, Pressure-induced semiconductor–metal transition in Te–Se mixtures 205–207 (1996) 57
Ohmukai, M., H. Naito, M. Okuda and K. Kurosawa, Characteristics of amorphous silicon precipitated by means of argon excimer laser irradiation on SiC films 202 (1996) 77
Ohno, S., T. Okada, A.C. Barnes and J.E. Enderby, The electrical conductivity and thermopower of liquid $Ag_{1-c}Se_c$ alloys with $0.4 \leq c \leq 1.0$ 205–207 (1996) 98
Ohno, S., see Okada, T. 205–207 (1996) 102
Ohsaki, H., Y. Tachibana, K. Kadowaki, Y. Hayashi and K. Suzuki, Bendable and temperable solar control glass 218 (1997) 223
Ohshima, S., see Yoda, S. 208 (1996) 191
Ohya, Y., see Takahashi, Y. 218 (1997) 129
Okada, I., see Habasaki, J. 208 (1996) 181
Okada, K., see Yao, M. 205–207 (1996) 274
Okada, O., see Ishibashi, K. 218 (1997) 354
Okada, S., see Takahashi, Y. 218 (1997) 129
Okada, T., T. Fujisawa and S. Ohno, Electronic properties of liquid Si–Se alloys 205–207 (1996) 102
Okada, T., see Ohno, S. 205–207 (1996) 98
Okamoto, Y., H. Hayashi and T. Ogawa, Molecular dynamics calculation of structure and transport properties for molten YCl_3 205–207 (1996) 139
O'Keefe, J.A., see Sang, J.C. 208 (1996) 170
Okorokov, A.I., see de Jong, M. 205–207 (1996) 645
Okuda, M., see Ohmukai, M. 202 (1996) 77
Okuno, M., Y. Shimada, M. Schmücker, H. Schneider, W. Hoffbauer and M. Jansen, LAXS and ^{27}Al MAS NMR studies on the temperature-induced changes of non-crystalline single phase type mullite precursors 210 (1997) 41

Okuno, M., see Taniguchi, T. 211 (1997) 56
Olah, V., see Mikloš, P. 209 (1997) 137
O'Leary, S.K., S. Zukotynski and J.M. Perz, Disorder and optical absorption in amorphous silicon and amorphous germanium 210 (1997) 249
Olivier-Fourcade, J., see Durand, J.-M. 208 (1996) 36
Onari, S., see Asami, T. 211 (1997) 89
Ong, C.K., see Hng, H.H. 208 (1996) 127
Ono, M., Structural investigations of composite materials by neutron scattering at KUR 205–207 (1996) 821
Onoda, Y., see Yano, T. 213–214 (1997) 345
Onogi, T., see Masaki, T. 205–207 (1996) 338
Onuki, H., see Awazu, K. 211 (1997) 158
Onuki, H., see Awazu, K. 215 (1997) 176
Oota, M., T. Kanamori, S. Kitamura, H. Fujii, T. Kawasaki, K. Sekine and C. Manabe, Decrease of silicon defects in oxynitride glass 209 (1997) 69
Orignac, X., H.C. Vasconcelos and R.M. Almeida, Structural study of SiO_2–TiO_2 sol–gel films by X-ray absorption and photoemission spectroscopies 217 (1997) 155
Orlov, V.K., see Konovalov, I.I. 205–207 (1996) 536
Osaka, A., see Ding, Y. 203 (1996) 88
Osaka, A., see Himei, Y. 211 (1997) 64
Osborne, Z.A., see Deubener, J. 215 (1997) 252
Oshikawa, S., see Ushio, Y. 218 (1997) 312
Oswald, J., see Frumarová, B. 213–214 (1997) 58
Ota, R., N. Mishima, T. Wakasugi and J. Fukunaga, Nucleation of Li_2O–SiO_2 glass and its interpretation based on a new liquid model 219 (1997) 70
Ota, R., see Wakasugi, T. 210 (1997) 141
Otaigbe, J.U., see Crowder, C.E. 210 (1997) 209
Ottaviani, G., see Corni, F. 216 (1997) 71
Ottaviano, L., see Santucci, S. 216 (1997) 156
Ou, D.L. and A.B. Seddon, Near- and mid-infrared spectroscopy of sol–gel derived ormosils: vinyl and phenyl silicates 210 (1997) 187
Oualid, J., see Auriel, G. 220 (1997) 157
Ouerdane, Y., see Boukenter, A. 216 (1997) 95
Ouerdane, Y., see Goutaland, F. 216 (1997) 135
Óvári, T.A., see Chiriac, H. 205–207 (1996) 687
Owen, A.E., see Zekak, A. 202 (1996) 122
Oyanagi, H., see Katayama, Y. 205–207 (1996) 199
Özdaş, E., see Kortan, A.R. 213–214 (1997) 90

Pacchioni, G. and G. Ieranò, On the origin of the 5.0 and 7.6 eV absorption bands in oxygen deficient α-quartz and amorphous silica. A first principles quantum-chemical study 216 (1997) 1
Padilla, J., see Mendoza-Serna, R. 217 (1997) 30
Padró, J.À., see Canales, M. 205–207 (1996) 907
Pafchek, R., see Kortan, A.R. 213–214 (1997) 90
Pagani, E., see Della Volpe, C. 209 (1997) 51
Paillard, V., see Martinet, C. 216 (1997) 77
Pająk, L., see Jarzębski, A.B. 204 (1996) 172
Pajonk, G.M., A. Venkateswara Rao, B.M. Sawant and N.N. Parvathy, Dependence of monolithicity and physical properties of TMOS silica aerogels on gel aging and drying conditions 209 (1997) 40
Pajonk, G.M., E. Elaloui, B. Chevalier and R. Begag, Optical transmission properties of silica aerogels prepared from polyethoxidisiloxanes 210 (1997) 224
Palavit, G., see Montagne, L. 215 (1997) 1
Palazzi, M., see Viana, B. 215 (1997) 96
Paleari, A., see Martini, M. 216 (1997) 26
Palleau, P., see Andonov, P. 205–207 (1996) 163
Pan, Z. and S.H. Morgan, Raman spectra and thermal analysis of a new lead–tellurium–germanate glass system 210 (1997) 130
Panczer, G., see Chemarin, C. 216 (1997) 111
Pandraud, G., see Boukenter, A. 216 (1997) 95
Pannhorst, W., Glass ceramics: state-of-the-art 219 (1997) 198
Pant, J., see Persans, P.D. 203 (1996) 192
Papanu, V.D., see Carson, S.W. 218 (1997) 169
Paramzina, S.E., see Dmitryuk, A.V. 202 (1996) 173
Paramzina, S.E., see Syutkin, V.M. 220 (1997) 280
Parashar, V.K., V. Raman and O.P. Bahl, Sol–gel preparation of silica gel monoliths 201 (1996) 150
Parette, G., see Bellissent, R. 205–207 (1996) 656
Parker, J.M., see Hobson, P.R. 213–214 (1997) 147
Parvathy, N.N., see Pajonk, G.M. 209 (1997) 40
Pascova, R. and C. Rüssel, Thermodynamics and diffusion of iron in homogeneous and phase separated sodium borosilicate melts 208 (1996) 237
Passacantando, M., see Santucci, S. 216 (1997) 156
Passerini, S., see Cazzanelli, E. 208 (1996) 89
Pasturel, A., see Jakse, N. 205–207 (1996) 434
Patsis, A.P., see Chryssikos, G.D. 202 (1996) 222
Paulick, C., see Schmitt, Y. 205–207 (1996) 135
Payne, D.N., see Ye, C.C. 208 (1996) 56
Payne, S.A., see Marshall, C.D. 212 (1997) 59
Pecheritsyn, I.M., see Kuznetsov, S.L. 213–214 (1997) 68
Pedersen, S., see Einarsrud, M.-A. 215 (1997) 169
Pękała, K., P. Jaśkiewicz, J. Latuch and A. Kokoszkiewicz, Kinetics of crystallization processes in Al–Y–Ni–Co studied by electrical resistivity 211 (1997) 72
Pekala, R.W., see Gross, J. 211 (1997) 132
Pélégris, C., see Gnado, J. 208 (1996) 247
Pelissier, S., see Boukenter, A. 216 (1997) 95
Pelli, S., see Brusatin, G. 220 (1997) 202
Penanen, K., see Regan, M.J. 205–207 (1996) 762

Peng, M., see Karlhuber, S. 205–207 (1996) 421
Peng, Y.-L., A. Agarwal, M. Tomozawa and T.A. Blanchet, Radial distribution of fictive temperatures in silica optical fibers 217 (1997) 272
Perdigão, M.N.R.V., J.A.R. Jordão, C.S. Kiminami and W.J. Botta F., Phase transformation in Nb–16 at.% Si processed by high-energy ball milling 219 (1997) 170
Pereira, M.B. and F. Horowitz, Optical surface analysis of graded index coatings on glass 218 (1997) 286
Perepezko, J.H., see Foley, J.C. 205–207 (1996) 559
Perepezko, J.H., see Uttormark, M.J. 205–207 (1996) 550
Pereyra, I. and M.I. Alayo, High quality low temperature DPECVD silicon dioxide 212 (1997) 225
Pereyra, I. and M.N.P. Carreño, Wide gap a-$Si_{1-x}C_x$:H thin films obtained under starving plasma deposition conditions 201 (1996) 110
Peřina, V., see Wagner, T. 212 (1997) 157
Perminov, A.S., see Dmitryuk, A.V. 202 (1996) 173
Perng, J.-H., see Shiu, F.-M. 209 (1997) 61
Pernice, P., A. Aronne, M. Catauro and A. Marotta, Glass transition temperature and devitrification study of barium germanate glasses 210 (1997) 23
Perrot, O., see Gao, Y. 213–214 (1997) 137
Persans, P.D., H. Yükselici, L.B. Lurio, J. Pant, M. Stapleton and T.M. Hayes, Homogeneous nucleation of CdS nanocrystals in glass 203 (1996) 192
Persans, P.D., see Schroeder, J. 203 (1996) 217
Persans, P.D., see Yükselici, H. 203 (1996) 206
Persello, M., see Gill, K. 216 (1997) 129
Pershan, P.S., see Regan, M.J. 205–207 (1996) 762
Perz, J.M., see O'Leary, S.K. 210 (1997) 249
Pesina, T., see Chmel, A. 210 (1997) 254
Petit, C., see Yard, G. 216 (1997) 174
Petkov, V., see Stachs, O. 210 (1997) 14
Petricevic, V., see Devi, P.S. 203 (1996) 78
Petridis, D., see Karakassides, M.A. 202 (1996) 198
Petrovsky, G.T., see Kang, U. 204 (1996) 151
Petrzhik, M.I., see Molokanov, V.V. 205–207 (1996) 508
Pharr, G.M., see Sun, E.Y. 208 (1996) 162
Philippot, E., see Ibanez, A. 202 (1996) 248
Picozzi, P., see Santucci, S. 216 (1997) 156
Piepel, G.F., see Rao, Q. 220 (1997) 17
Pierce, F.S., see Poon, S.J. 205–207 (1996) 1
Pierre, A.C., see Stanić, V. 220 (1997) 58
Pietraß, T., A. Bifone, R.D. Roth, V.-P. Koch, A.P. Alivisatos and A. Pines, ^{29}Si high resolution solid state nuclear magnetic resonance spectroscopy of porous silicon 202 (1996) 68
Pigeon, F., see Boukenter, A. 216 (1997) 95
Pigorini, S., see Wachtler, M. 217 (1997) 111
Pimenov, A., A. Loidl and R. Böhmer, Structural relaxation in a molten salt probed by time-dependent dc conductivity measurements 212 (1997) 89
Pimenov, A., P. Lunkenheimer, M. Nicklas, R. Böhmer, A. Loidl and C.A. Angell, Ionic transport and heat capacity of glass-forming metal–nitrate mixtures 220 (1997) 93
Pinckney, L.R. and G.H. Beall, Nanocrystalline non-alkali glass-ceramics 219 (1997) 219
Pines, A., see Pietraß, T. 202 (1996) 68
Piques, R., see Duffrène, L. 215 (1997) 208
Pirard, J.-P., see Pirard, R. 212 (1997) 262
Pirard, J.P., see Mathieu, B. 212 (1997) 250
Pirard, R. and J.-P. Pirard, Aerogel compression theoretical analysis 212 (1997) 262
Pirard, R., see Mathieu, B. 212 (1997) 250
Piriou, B., see Lemercier, H. 201 (1996) 128
Pitschke, W., see Burkov, A.T. 205–207 (1996) 737
Plantier, H., see Girault, V. 216 (1997) 55
Plawsky, J., see Ko, M.-J. 203 (1996) 211
Plyukhin, A., see Belykh, A. 213–214 (1997) 238
Poh, P.D., see Nattland, D. 205–207 (1996) 772
Pohl, R.O., see Hessinger, J. 208 (1996) 151
Polák, Z., see Frumar, M. 213–214 (1997) 215
Polato, P., see Caccavale, F. 218 (1997) 291
Poli, E., see Macrelli, G. 218 (1997) 296
Polignano, M.L., G. Ferroni, A. Sabbadini, G. Valentini and G. Queirolo, Study of SiO_2–Si interfaces by photocurrent measurements 216 (1997) 88
Ponader, C.W., H. Boek and J.E. Dickinson Jr., X-ray absorption study of the coordination of titanium in sodium–titanium. –silicate glasses 201 (1996) 81
Poncey, Ch., see Rochet, F. 216 (1997) 148
Ponomareva, E.G., see Kuznetsov, V.N. 205–207 (1996) 829
Ponyatovsky, E.G., see Barkalov, O.I. 202 (1996) 266
Poon, S.J., Q. Guo, P. Volkov and F.S. Pierce, Insulating and semiconducting phases of quasicrystalline and crystalline aluminum alloys 205–207 (1996) 1
Pop, Gh., see Chiriac, H. 205–207 (1996) 687
Pope, C.L., see Bullock, S.R. 212 (1997) 85
Popova, S.V., see Brazhkin, V.V. 212 (1997) 49
Portinari, L., see Martini, M. 216 (1997) 26
Postorino, P., see Buontempo, U. 205–207 (1996) 110
Pottlacher, G. and H. Jäger, A review of determinations of critical point data of metals using subsecond pulse heating techniques 205–207 (1996) 265
Poulain, M. and M. Poulain, Multicomponent fluoride glasses 213–214 (1997) 40
Poulain, M., see Bobe, J.M. 209 (1997) 122
Poulain, M., see Jiang, J. 213–214 (1997) 11

Poulain, M., see Le Deit, C. 213–214 (1997) 49
Poulain, M., see Lebullenger, R. 213–214 (1997) 353
Poulain, M., see Poulain, M. 213–214 (1997) 40
Poulain, M., see Soufiane, A. 213–214 (1997) 85
Poulain, M., see Zhang, G. 213–214 (1997) 6
Poulain, M.A., see Boutarfaia, A. 213–214 (1997) 36
Poulain, M.J., see Boutarfaia, A. 213–214 (1997) 36
Poveda, P. and A. Glachant, Energy gap-determination of a carbon contaminated thermal silicon oxide thin film using reflection electron energy loss spectroscopy 216 (1997) 83
Pozarnsky, G.A. and A.V. McCormick, Erratum. Multinuclear NMR study of aluminosilicate sol–gel synthesis using the prehydrolysis method, J. Non-Cryst. Solids 190 (1995) 212–225 201 (1996) 175
Prabakar, S. and R.A. Assink, Hydrolysis and condensation kinetics of two component organically modified silica sols 211 (1997) 39
Prabakar, S., R.A. Assink, N.K. Raman, S.A. Myers and C.J. Brinker, Identification of self- and cross-condensation products in organically modified silica sols by ^{29}Si and ^{17}O NMR spectroscopy 202 (1996) 53
Prabakar, S., see Fleet, M.E. 220 (1997) 85
Pradel, A., see Bychkov, E. 208 (1996) 1
Pradel, A., see Gee, B. 215 (1997) 32
Prakash, D., V.P. Seth, I. Chand and P. Chand, EPR study of vanadyl ion in $CoO \cdot PbO \cdot B_2O_3$ glasses 204 (1996) 46
Prassas, M., see Belykh, A. 213–214 (1997) 238
Prassas, M., see Dotsenko, A. 218 (1997) 317
Pratt, A.R., see Carter, M.M.C. 220 (1997) 127
Price, D.L., see Armand, P. 205–207 (1996) 797
Price, D.L., see Stoddard, R.D. 205–207 (1996) 203
Price, T., see Hobson, P.R. 213–214 (1997) 147
Principi, G., see Caccavale, F. 218 (1997) 291
Privalova, T.P., see Vyatkin, G.P. 205–207 (1996) 563
Prochowska-Klisch, B., see Małecki, A. 212 (1997) 55
Protin, L., see Costantini, J.M. 216 (1997) 36
Prozorov, R., see Koltypin, Yu. 201 (1996) 159
Prushinsky, S.A., see Bogomolova, L.D. 210 (1997) 101
Prushinsky, S.A., see Bogomolova, L.D. 220 (1997) 109
Przhevuskii, A., see Belykh, A. 213–214 (1997) 238
Przhevuskii, A.K., see Dymnikov, A.A. 215 (1997) 83
Pulcinelli, S.H., see Brito, G.E.S. 217 (1997) 41
Pulker, H.K., see Strauss, G.N. 218 (1997) 256
Pusztai, L., see Gereben, O. 205–207 (1996) 716
Pütz, J., see Aegerter, M.A. 218 (1997) 123

Qiu, J., K. Maeda, R. Terai and H. Wakabayashi, Properties and structure of fluoroindate glasses containing various divalent cations 213–214 (1997) 363
Qiu, J., K. Miura, N. Sugimoto and K. Hirao, Preparation and fluorescence properties of fluoroaluminate glasses containing Eu^{2+} ions 213–214 (1997) 266
Qiu, J., K. Tanaka, N. Sugimoto and K. Hirao, Faraday effect in Tb^{3+}-containing borate, fluoride and fluorophosphate glasses 213–214 (1997) 193
Qiu, J., N. Sugimoto, Y. Iwabuchi and K. Hirao, Photostimulated luminescence in Ce^{3+}-doped silicate glasses 209 (1997) 200
Quang Danh, N., see Strauss, G.N. 218 (1997) 256
Quartarone, E., see Mustarelli, P. 215 (1997) 51
Queirolo, G., see Corni, F. 216 (1997) 71
Queirolo, G., see Polignano, M.L. 216 (1997) 88
Quimby, R.S., see Aitken, B.G. 213–214 (1997) 281
Quinn, C.J., see Crowder, C.E. 210 (1997) 209
Quitmann, D., M. Soltwisch and G. Ruocco, On the connection between low frequency vibrational and relaxational motion in glasses 203 (1996) 12
Quitmann, D., see Dürrwächter, M. 205–207 (1996) 322

Rädlein, E., see Buchmayer, G. 204 (1996) 253
Rajh, T., D.M. Tiede and M.C. Thurnauer, Surface modification of TiO_2 nanoparticles with bidentate ligands studied by EPR spectroscopy 205–207 (1996) 815
Raksha, V.P., see Mathew, J.G.H. 218 (1997) 342
Ram, S., see Frankwicz, P.S. 205–207 (1996) 522
Raman, N.K., see Prabakar, S. 202 (1996) 53
Raman, V., see Parashar, V.K. 201 (1996) 150
Ramanan, S.R. and D. Ganguli, Spectroscopic studies of Cr-doped silica gels 212 (1997) 299
Ramirez Del Solar, M., see Esquivias, L. 220 (1997) 45
Ramli, Z., see Hamdan, H. 211 (1997) 126
Rao, K.J., see Sobha, K.C. 201 (1996) 52
Rao, P. and R. Doremus, Kinetics of growth of nanosized gold clusters in glass 203 (1996) 202
Rao, Q., G.F. Piepel, P. Hrma and J.V. Crum, Liquidus temperatures of HLW glasses with zirconium-containing primary crystalline phases 220 (1997) 17
Raoux, D., see Burian, A. 212 (1997) 23
Rapp, Ö., see Ahlgren, M. 205–207 (1996) 21
Rapp, Ö., see Stognei, O.V. 205–207 (1996) 616
Rappensberger, M., see Wootton, A.M. 204 (1996) 217
Rathnayaka, K.D.D., B.D. Hennings and D.G. Naugle, Electron transport properties of amorphous $Ti_x(Cu_{0.70}Al_{0.30})_{1-x}$ and $Ti_x(Cu_{0.15}Al_{0.85})_{1-x}$ quench condensed thin films 205–207 (1996) 665
Rathnayaka, K.D.D., see Naugle, D.G. 205–207 (1996) 17
Ratnakaram, Y.C. and N. Sudharani, Spectroscopic investigations of Er^{3+} in H_3BO_3–Na_2CO_3–RCl glasses 217 (1997) 291

Raty, J.-Y., see Bichara, C. 205–207 (1996) 361
Raty, J.-Y., see Gaspard, J.-P. 205–207 (1996) 75
Rätzke, K., A. Heesemann and F. Faupel, Pressure and mass dependence of diffusion in metallic glasses 205–207 (1996) 607
Rauhala, E., see Wagner, T. 212 (1997) 157
Ray, C.S., D.E. Day, W. Huang, K.L. Narayan, T.S. Cull and K.F. Kelton, Non-isothermal calorimetric studies of the crystallization of lithium disilicate glass 204 (1996) 1
Ray, C.S., see Kelton, K.F. 204 (1996) 13
Ray, S., see Hazra, S. 202 (1996) 81
Ray, S., see Hazra, S. 211 (1997) 22
Reau, J.M., see Bobe, J.M. 209 (1997) 122
Reddy, B.R., see Bullock, S.R. 212 (1997) 85
Redmer, R., see Nagel, S. 205–207 (1996) 247
Regan, M.J., O.M. Magnussen, E.H. Kawamoto, P.S. Pershan, B.M. Ocko, N. Maskil, M. Deutsch, S. Lee, K. Penanen and L.E. Berman, X-ray studies of atomic layering at liquid metal surfaces 205–207 (1996) 762
Regelsky, G., see Witschas, M. 215 (1997) 226
Rehman, H.U., M.I. Sarwar, Z. Ahmad, H. Krug and H. Schmidt, Synthesis and characterization of novel aramid-zirconium oxide micro-composites 211 (1997) 105
Reich, A., see Aegerter, M.A. 218 (1997) 123
Reich, A., see Eberle, A. 218 (1997) 156
Reich, A., see Ganz, D. 218 (1997) 242
Reimbold, G., see Candelier, P. 216 (1997) 162
Rekveldt, M.Th., see de Jong, M. 205–207 (1996) 645
Rella, C.W., see Engholm, J.R. 203 (1996) 182
Rettich, T. and P. Wiedemuth, High power generators for medium frequency sputtering applications 218 (1997) 50
Reynolds, L., see Zuo, D. 205–207 (1996) 328
Reynoso, V.C.S., see Barbosa, L.C. 219 (1997) 205
Rezgui, S. and B.C. Gates, Control of magnesia–alumina properties by acetic acid in sol–gel synthesis 210 (1997) 287
Ribbing, C.-G., see Granqvist, C.G. 218 (1997) 273
Ribeiro, C.T.M., see Messaddeq, Y. 213–214 (1997) 179
Ribeiro, S.J.L., Ph. Goldner and F. Auzel, Crystallization of ZrF_4–LaF_3–AlF_3 glasses 219 (1997) 176
Ribeiro, S.J.L., see Diniz, R.E.O. 219 (1997) 187
Ribes, M., see Bychkov, E. 208 (1996) 1
Ribes, M., see Gee, B. 215 (1997) 32
Rice, S.A., Structure of the liquid–vapor interfaces of metals and binary alloys 205–207 (1996) 755
Richardson, K., see Belykh, A.V. 213–214 (1997) 330
Richert, R., see Hansen, C. 215 (1997) 293
Richet, P., M.A. Bouhifd, P. Courtial and C. Téqui, Configurational heat capacity and entropy of borosilicate melts 211 (1997) 271
Richet, P., see Sipp, A. 211 (1997) 281
Richter, W., see Schneider, M. 215 (1997) 201
Ricordel, C., see Adam, J.L. 213–214 (1997) 30
Riegel, B., I. Hartmann, W. Kiefer, J. Groß and J. Fricke, Raman spectroscopy on silica aerogels 211 (1997) 294
Righini, G., see Brusatin, G. 220 (1997) 202
Riley, S.J., The atomic structure of transition metal clusters 205–207 (1996) 781
Riman, R.E., see Ballato, J. 213–214 (1997) 126
Riman, R.E., see Dejneka, M. 202 (1996) 23
Riman, R.E., see Lin, I.-C. 215 (1997) 113
Rimet, R., see Gao, Y. 213–214 (1997) 137
Rimet, R., see Josse, E. 213–214 (1997) 152
Ritter, J.A., see Lin, C. 215 (1997) 146
Riveiro, J.M., see Fedosyuk, V.M. 204 (1996) 99
Rivière, A., see Arnault, L. 210 (1997) 87
Rivlin, Z., H.G. Jiang, M.A. Gibson, N. Froumin and J. Baram, Prediction of glass-forming ability in terms of a critical contact angle 215 (1997) 283
Rocherullé, J., M. Matecki, B. Baron, P. Verdier and Y. Laurent, A devitrification study of Mg–Y–Si–Al–O–N glasses 211 (1997) 222
Rochet, F., Ch. Poncey, G. Dufour, H. Roulet, C. Guillot and F. Sirotti, Suboxides at the Si/SiO_2 interface: a Si2p core level study with synchrotron radiation 216 (1997) 148
Rodmar, M., see Ahlgren, M. 205–207 (1996) 21
Rodmar, M., see Stognei, O.V. 205–207 (1996) 616
Roland, C.M. and K.L. Ngai, Commentary on 'Strong and fragile liquids – A brief critique' 212 (1997) 74
Roling, B. and K. Funke, Polaronic transport in vanadium phosphate glasses 212 (1997) 1
Rolli, R., see Wachtler, M. 217 (1997) 111
Rönnow, D., see Granqvist, C.G. 218 (1997) 273
Roos, A., Optical characterization of coated glazings at oblique angles of incidence: measurements versus model calculations. 218 (1997) 247
Röpke, G., see Nagel, S. 205–207 (1996) 247
Rørmark, L., see Einarsrud, M.-A. 211 (1997) 49
Rosplock, C., see Sempolinski, D.R. 203 (1996) 69
Rossi, F., see Fontana, A. 212 (1997) 292
Roth, R.D., see Pietraß, T. 202 (1996) 68
Roth, S., see Stiller, C. 205–207 (1996) 620
Roulet, H., see Rochet, F. 216 (1997) 148
Rouxel, T., see Besson, J.-L. 211 (1997) 1
Rouxel, T., see Lemercier, H. 201 (1996) 128
Royer, F.X., see Schmitt, Y. 205–207 (1996) 135
Rumori, P., see El Mkami, H. 208 (1996) 21
Runov, V.V., see de Jong, M. 205–207 (1996) 645

Ruocco, G., see Quitmann, D. 203 (1996) 12
Ruske, M., see Szczyrbowski, J. 218 (1997) 262
Rüssel, C., Oriented crystallization of glass. A review 219 (1997) 212
Rüssel, C., see Claußen, O. 209 (1997) 292
Rüssel, C., see Claußen, O. 215 (1997) 68
Rüssel, C., see Deckwerth, M. 217 (1997) 55
Rüssel, C., see Deckwerth, M. 217 (1997) 66
Rüssel, C., see Gutzow, I. 215 (1997) 313
Rüssel, C., see Habelitz, S. 220 (1997) 291
Rüssel, C., see Keding, R. 219 (1997) 136
Rüssel, C., see Pascova, R. 208 (1996) 237
Rüssel, C., see Schneider, M. 215 (1997) 201
Ruuskanen, P., Amorphous and metastable $Fe_{1-x}Si_x$ alloys and compounds prepared by solid-state synthesis 205–207 (1996) 629
Ruuskanen, P., see Kaczkowski, Z. 205–207 (1996) 683
Ruuskanen, P., see Kaczkowski, Z. 205–207 (1996) 825
Ryan, D.H., see Mao, M. 205–207 (1996) 476
Ryan, D.H., see Wang, Y.B. 205–207 (1996) 221

Saadeddine, S., see Grosdidier, B. 205–207 (1996) 393
Saarilahti, J., see Wagner, T. 212 (1997) 157
Sabbadini, A., see Polignano, M.L. 216 (1997) 88
Saboungi, M.-L., see Armand, P. 205–207 (1996) 797
Saboungi, M.-L., see Stoddard, R.D. 205–207 (1996) 203
Saboungi, M.-L., see Winter, R. 205–207 (1996) 66
Sabouri-Ghomi, M. and Z. Altounian, Enhancement of superconductivity in relaxed Fe–Zr metallic glasses 205–207 (1996) 692
Sadd, A.L., see Bartholomew, R.F. 203 (1996) 364
Sagnes, B., see Auriel, G. 220 (1997) 157
Saha, S.K., see Schroeder, J. 203 (1996) 186
Sahar, M.R., A.K. Jehbu and M.M. Karim, TeO_2–ZnO–$ZnCl_2$ glasses for IR transmission 213–214 (1997) 164
Sahouli, B., see Mathieu, B. 212 (1997) 250
Saito, M., Y. Waseda, E. Matsubara, X.-M. Wang, T. Aihara, K. Aoki and T. Masumoto, Structural study of amorphous GdM_2 (M = Fe, Co, Ni) alloys by the anomalous X-ray scattering (AXS) method 205–207 (1996) 721
Saitoh, K., see Usuki, T. 205–207 (1996) 184
Sakaguchi, S., S. Todoroki and T. Murata, Rayleigh scattering in silica glass with heat treatment 220 (1997) 178
Sakaguchi, S., see Mito, T. 210 (1997) 155
Sakaguchi, Y. and K. Tamura, Photo-induced structural changes in liquid sulfur 205–207 (1996) 115
Sakurai, M., see Nasu, T. 205–207 (1996) 527
Sakurai, T., see Ishibashi, K. 218 (1997) 354
Salamatov, E.I., Vibrational spectrum and temperature behavior of thermal conductivity and specific heat in amorphous dielectrics 202 (1996) 128
Salim, M., see Mekki, A. 208 (1996) 267
Salim, M.A., see Khattak, G.D. 212 (1997) 180
Salmon, P.S. and J. Liu, The coordination environment of Ag and Cu in ternary chalcogenide glasses 205–207 (1996) 172
Salvetti, A.R., see Delben, A.A.S.T. 213–214 (1997) 113
Sammler, R.L., see Crowder, C.E. 210 (1997) 209
Sampaio, J.A., see Baesso, M.L. 219 (1997) 165
Samseth, J., see Einarsrud, M.-A. 215 (1997) 169
Samson, B.N., see Ye, C.C. 208 (1996) 56
Samyn, P. and M. Achten, Present trend and architect's expectation on coated glass 218 (1997) 1
Sang, J.C., A. Barkatt and J.A. O'Keefe, Attenuation of glass dissolution in the presence of natural additives 208 (1996) 170
Sanghera, J.S. and I.D. Aggarwal, Development of chalcogenide glass fiber optics at NRL 213–214 (1997) 63
Sanghera, J.S., see Bayya, S.S. 212 (1997) 198
Santa-Cruz, P., see Lipinska-Kalita, K.E. 204 (1996) 188
Santilli, C.V., see Brito, G.E.S. 217 (1997) 41
Santos, B.S., see Vaz de Araújo, A.C. 219 (1997) 160
Santucci, S., R. Alfonsetti, A. Di Giacomo, P. Fiorani, L. Lozzi, G. Moccia, L. Ottaviano, M. Passacantando and P. Picozzi, Compositional and electrical properties of $SiO_2/Si_3N_4/SiO_2$ stacked films grown onto silicon substrates and annealed in hydrogen 216 (1997) 156
Sapers, S.P., see Mathew, J.G.H. 218 (1997) 342
Sargent, R.B., see Mathew, J.G.H. 218 (1997) 342
Sarger, L., see Fargin, E. 203 (1996) 96
Sarwar, M.I., see Rehman, H.U. 211 (1997) 105
Sashida, T., see Izutsu, H. 212 (1997) 40
Sato, E., see Itami, T. 205–207 (1996) 375
Sato, H., A. Datta and T. Ishikawa, Kinetics of relaxation process of hopping ionic conduction in lattice gas systems 203 (1996) 306
Sato, K., see Miyazaki, M. 218 (1997) 323
Sato, R., T. Komatsu and K. Matusita, Unique physical properties and fragility of $50CuO_x$–$50P_2O_5$ glasses 201 (1996) 222
Satoh, S., K. Susa, I. Matsuyama, T. Suganuma and H. Matsumura, Chlorination reduction in sol–gel-derived porous silica gels 217 (1997) 22
Saurel, J.M., see Cros, B. 209 (1997) 273
Savatinova, I., see Danesh, P. 204 (1996) 265
Savvatimski, A.I., see Korobenko, V.N. 205–207 (1996) 678
Sawant, B.M., see Pajonk, G.M. 209 (1997) 40
Sayers, D.E., see Nasu, T. 205–207 (1996) 527
Sazonov, A.Yu., see Budaguan, B.G. 204 (1996) 169
Sbetti, M., E. Moser, M. Montagna, M. Ferrari, S. Chaussedent and M. Bet-

tinelli, Homogeneous line width in a zinc borate glass activated by Eu^{3+} 220 (1997) 217
Schäfer, R., see Stiller, C. 205–207 (1996) 620
Scharf, U., see Janosovits, U. 210 (1997) 1
Schaub, T.M., D.E. Bürgler, C.M. Schmidt and H.-J. Güntherodt, Investigation of non-crystalline surfaces by scanning tunneling microscopy 205–207 (1996) 748
Schelle, C., M. Mennig, H. Krug, G. Jonschker and H. Schmidt, One step antiglare sol–gel coating for screens by sol–gel techniques 218 (1997) 163
Scherer, G.W., Bending a gel rod with an impermeable surface 204 (1996) 73
Scherer, G.W., Bending of gel beams: Effect of deflection rate and Hertzian indentation 201 (1996) 1
Scherer, G.W., Effect of drying on properties of silica gel 215 (1997) 155
Scherer, G.W., Stress from re-immersion of partially dried gel 212 (1997) 268
Scherer, G.W., Thermal expansion of a gel layer on a rigid substrate 204 (1996) 118
Scherer, G.W., S. Hæreid, E. Nilsen and M.-A. Einarsrud, Shrinkage of silica gels aged in TEOS 202 (1996) 42
Scherer, G.W., see Gross, J. 211 (1997) 132
Schicht, H., M. Emonds and J. Esser, Pin-pointed modification of glass surfaces by using specific washing compounds 218 (1997) 210
Schindelbeck, Th. and W. Freyland, ESR study of spin dynamics in K_xKCl_{1-x} melts ($10^{-4} \leq x \leq 10^{-1}$) approaching the M–NM transition 205–207 (1996) 48
Schmelzer, J., see Dobreva, A. 209 (1997) 257
Schmelzer, J., see Gutzow, I. 219 (1997) 1
Schmelzer, J., see Möller, J. 219 (1997) 142
Schmid, J., see Sommer, F. 205–207 (1996) 352
Schmidt, C.M., see Schaub, T.M. 205–207 (1996) 748
Schmidt, H., see Brendel, R. 218 (1997) 391
Schmidt, H., see Kalleder, A. 218 (1997) 399
Schmidt, H., see Kutsch, B. 217 (1997) 143
Schmidt, H., see Mennig, M. 218 (1997) 373
Schmidt, H., see Mennig, M. 218 (1997) 395
Schmidt, H., see Munro, B. 218 (1997) 185
Schmidt, H., see Rehman, H.U. 211 (1997) 105
Schmidt, H., see Schelle, C. 218 (1997) 163
Schmitt, M., see Kutsch, B. 217 (1997) 143
Schmitt, M., see Mennig, M. 218 (1997) 373
Schmitt, Y., C. Paulick, F.X. Royer and J.G. Gasser, Magnetic field induced orientational order of conductive fibers in non-conductive liquids 205–207 (1996) 135
Schmücker, M., K.J.D. MacKenzie, H. Schneider and R. Meinhold, NMR studies on rapidly solidified SiO_2–Al_2O_3 and SiO_2–Al_2O_3–Na_2O-glasses 217 (1997) 99
Schmücker, M., see Okuno, M. 210 (1997) 41
Schnapp, J.-D., see Habelitz, S. 220 (1997) 291
Schneider, H., see Okuno, M. 210 (1997) 41
Schneider, H., see Schmücker, M. 217 (1997) 99
Schneider, M., V.A. Gasparov, W. Richter, M. Deckwerth and C. Rüssel, XPS studies on oxynitride glasses in the system Si–Al–O–N 215 (1997) 201
Schnyders, H.S., see Zuo, D. 205–207 (1996) 328
Schober, H., see Suck, J.-B. 205–207 (1996) 733
Schreiber, H.D., see Wilk Jr., N.R. 217 (1997) 189
Schroeder, J., L.-W. Hwang, M.R. Silvestri, M. Lee and P.D. Persans, Optical studies on II–VI semiconductor quantum dots: Particle size dependence of the high pressure phase stability 203 (1996) 217
Schroeder, J., M. Lee, S.K. Saha, J.H. Whang and C.T. Moynihan, Independently relaxing nanoscale inhomogeneities as a model for structural relaxation: light scattering around the glass transition region 203 (1996) 186
Schuller, F., see Sommer, F. 205–207 (1996) 352
Schultz, L., see Eckert, J. 205–207 (1996) 500
Schultz, L., see Seidel, M. 205–207 (1996) 514
Schultz, L., see Stiller, C. 205–207 (1996) 620
Schumann, J., see Burkov, A.T. 205–207 (1996) 737
Schurman, M.K. and M. Tomozawa, Equilibrium oxygen vacancy concentrations and oxidant diffusion in germania, silica, and germania-silica glasses 202 (1996) 93
Schwarz, R.B., see He, Y. 205–207 (1996) 602
Schwettman, H.A., see Engholm, J.R. 203 (1996) 182
Seddon, A.B., Chalcohalides: glass-forming systems and progress in application of percolation theory 213–214 (1997) 22
Seddon, A.B. and M.J. Laine, Chalcogenide glasses for acousto-optic devices. II. As–Ge–Se systems 213–214 (1997) 168
Seddon, A.B., see Furniss, D. 213–214 (1997) 141
Seddon, A.B., see Morgan, S.P. 203 (1996) 135
Seddon, A.B., see Morgan, S.P. 213–214 (1997) 72
Seddon, A.B., see Ou, D.L. 210 (1997) 187
Seeber, W.T., see Abou-Helal, M.O. 218 (1997) 139
Segonds, P., see Fargin, E. 203 (1996) 96
Sei, T., Y. Nomura and T. Tsuchiya, Preparation of $ZnGa_2O_4$ thin film by sol–gel process and effect of reduction on its electric conductivity 218 (1997) 135
Seidel, M., J. Eckert, E. Zueco-Rodrigo and L. Schultz, Mg-based amorphous alloys with extended supercooled liquid region produced by mechanical alloying 205–207 (1996) 514

Seidel, M., see Eckert, J. 205–207 (1996) 500

Seifert, K., J. Hafner and G. Kresse, Structural and electronic properties of molten semimetals: An ab initio study for liquid antimony 205–207 (1996) 871

Sekine, K., see Oota, M. 209 (1997) 69

Sempolinski, D.R., T.P. Seward, C. Smith, N. Borrelli and C. Rosplock, Effects of glass forming conditions on the KrF-excimer-laser-induced optical damage in synthetic fused silica 203 (1996) 69

Senatore, G., S. Moroni and D.M. Ceperley, Local field factor and effective potentials in liquid metals 205–207 (1996) 851

Senegas, J., see Bobe, J.M. 209 (1997) 122

Serpi, A., see Anedda, A. 216 (1997) 19

Servant, Y., see Kliava, J. 202 (1996) 205

Seshu, B., see Bhatnagar, A.K. 204 (1996) 305

Seth, V.P., see Prakash, D. 204 (1996) 46

Severiano, J.L.J., see Gonzalez, M.A. 205–207 (1996) 285

Seward, T.P., see Sempolinski, D.R. 203 (1996) 69

Shackelford, J.F., The interstitial structure of non-crystalline solids 204 (1996) 205

Shao, J., see Boussard-Plédel, C. 209 (1997) 247

Sharaf, N.A., see Ahmed, A.A. 210 (1997) 59

Shareefuddin, Md., M. Jamal and M. Narasimha Chary, Electron spin resonance and optical absorption spectra of Cu^{2+} ions in xNaI–$(30-x)Na_2O$–$70B_2O_3$ glasses 201 (1996) 95

Shariari, M.R., see Iqbal, T. 213–214 (1997) 404

Sharma, S.N., see Das, D. 211 (1997) 229

Shashkin, V.S., see Chmel, A. 210 (1997) 254

Sheikh, S., see Hobson, P.R. 213–214 (1997) 147

Shelton, W.A., see Swihart, J.C. 205–207 (1996) 841

Shen, H., J. Cheng and G. Chen, Seeding acceleration of perovskite crystallization in lead calcium titanate thin films 220 (1997) 231

Shen, J., Q. Li, B. Zhou, J. Wang and L. Chen, SiO_2–GeO_2 binary aerogels with ultralow density 220 (1997) 102

Shen, P., see Lin, J.-S. 204 (1996) 135

Shen, P., see Wu, H.-F. 209 (1997) 76

Shephard, J.D., see Furniss, D. 213–214 (1997) 141

Shepilov, M.P., A model for calculation of isothermal kinetics of the nucleation-and-growth type phase separation in the course of one-step heat treatment 208 (1996) 64

Shibata, S., see Yamane, M. 203 (1996) 268

Shibata, S., see Yano, T. 213–214 (1997) 345

Shie, B.-r., see Chen, S.-w. 220 (1997) 243

Shigesato, Y., see Kamei, M. 218 (1997) 267

Shimada, Y., see Okuno, M. 210 (1997) 41

Shimizu, T., see Masuda, A. 217 (1997) 121

Shimojo, F., Y. Zempo, K. Hoshino and M. Watabe, First-principles molecular-dynamics simulation of expanded liquid rubidium: temperature dependence of electronic properties 205–207 (1996) 893

Shimojo, F., see Munejiri, S. 205–207 (1996) 278

Shimomura, O., see Katayama, Y. 205–207 (1996) 199

Shimomura, O., see Katayama, Y. 205–207 (1996) 451

Shimomura, O., see Tsuji, K. 205–207 (1996) 295

Shin, D.W. and M. Tomozawa, Effects of fictive temperature and water content on electrical conductivity of silica glasses 203 (1996) 262

Shin, D.W. and M. Tomozawa, Electrical and dielectric relaxation in silica glasses at low temperature 211 (1997) 237

Shin, Y.B., W.Y. Cho and J. Heo, Multiphonon and cross relaxation phenomena in Ge–As(or Ga)–S glasses doped with Tm^{3+} 208 (1996) 29

Shin, Y.B., see Kim, Y.S. 203 (1996) 176

Shioya, K., see Kim, H.G. 208 (1996) 303

Shioya, K., see Komatsu, T. 209 (1997) 305

Shirakawa, Y., Y. Arai and S. Tamaki, Magnetic and structural properties of liquid Ag–polyvalent systems 205–207 (1996) 357

Shirakawa, Y., see Arai, Y. 205–207 (1996) 803

Shirakawa, Y., see Inui, M. 205–207 (1996) 155

Shirakawa, Y., see Koishi, T. 205–207 (1996) 383

Shiu, F.-M., M.-H. Chen, R.-F. Tang, Y.-J. Jeng, M.-Y. Chang and J.-H. Perng, Luminescence study of quinine and its derivatives in the sol–gel system 209 (1997) 61

Shneidman, V.A., see Weinberg, M.C. 219 (1997) 89

Shpotyuk, O.I., J. Kasperczyk and I.V. Kityk, Mechanism of reversible photoinduced optical effects in amorphous As_2S_3 215 (1997) 218

Sidebottom, D.L., P.F. Green and R.K. Brow, Scaling behavior in the conductivity of alkali oxide glasses, polymers, and doped crystals 203 (1996) 300

Sidkey, M.A., R. El Mallawany, R.I. Nakhla and A. Abd El-Moneim, Ultrasonic studies of $(TeO_2)_{1-x}$–$(V_2O_5)_x$ glasses 215 (1997) 75

Siegmund, K., see Winter, R. 212 (1997) 215

Sietsma, J., see Van Ee, L.D. 205–207 (1996) 641

Sietsma, J., see de Hey, P. 205–207 (1996) 696

Sietsma, J., see de Jong, M. 205–207 (1996) 645

Sievers, A.J., see Agladze, N.I. 203 (1996) 37

Sievers, A.J., see FitzGerald, S.A. 203 (1996) 165

Sievers, A.J., see Tu, J. 203 (1996) 153

Sievers, A.J., see Uebbing, B. 203 (1996) 159

Sigel Jr., G.H., see Fajardo, J.C. 213–214 (1997) 95

Sigel Jr., G.H., see Iqbal, T. 213–214 (1997) 404

Sigel Jr., G.H., see Krasteva, V. 213–214 (1997) 304

Sigel Jr., G.H., see Machewirth, D.P. 213–214 (1997) 295

Silbert, M., see González, L.E. 205–207 (1996) 443
Silbert, M., see González, L.E. 205–207 (1996) 901
Silbert, M., see González, L.E. 205–207 (1996) 911
Silvera, I.F., Investigations of possible metallic and critical behavior in the solid hydrogens at megabar pressures 205–207 (1996) 290
Silvestri, M.R., see Schroeder, J. 203 (1996) 217
Simmons, R.O., see Gordon, C.A. 205–207 (1996) 216
Sinbandhit, S., see Boussard-Plédel, C. 209 (1997) 247
Sinclair, R.N., see Clare, A.G. 213–214 (1997) 321
Sipp, A., D.R. Neuville and P. Richet, Viscosity, configurational entropy and relaxation kinetics of borosilicate melts 211 (1997) 281
Sirotti, F., see Rochet, F. 216 (1997) 148
Slavínská, D., see Biederman, H. 218 (1997) 44
Slinger, C.W., see Zekak, A. 202 (1996) 122
Smektala, F., see Matecki, M. 213–214 (1997) 409
Smith, C., see Sempolinski, D.R. 203 (1996) 69
Smyrl, W.H., see Cazzanelli, E. 208 (1996) 89
Snitzer, E., see Ballato, J. 213–214 (1997) 126
Snitzer, E., see Dejneka, M. 202 (1996) 23
Snitzer, E., see Machewirth, D.P. 213–214 (1997) 295
Sobha, K.C. and K.J. Rao, Investigation of phosphate glasses with the general formula $A_xB_yP_3O_{12}$ where A = Li, Na or K and B = Fe, Ga, Ti, Ge, V or Nb 201 (1996) 52
Soga, N., see Cho, D.-H. 215 (1997) 192
Soga, N., see Tanaka, K. 203 (1996) 49
Soga, N., see Zeng, H.C. 209 (1997) 112
Sokolov, V.O. and V.B. Sulimov, Threefold coordinated oxygen atom in silica glass 217 (1997) 167
Sokolov, V.O., see Dianov, E.M. 211 (1997) 197
Solbrig, H., see Arnold, R. 205–207 (1996) 861
Solov'eva, N.D., see Dmitryuk, A.V. 202 (1996) 173
Soltwisch, M., see Quitmann, D. 203 (1996) 12
Sommer, F., J. Schmid and F. Schuller, Temperature and concentration dependence of the enthalpy of formation of liquid Al–La–Ni alloys 205–207 (1996) 352
Sommer, F., see Zappel, J. 205–207 (1996) 494
Sommer, M., see Ahlgren, M. 205–207 (1996) 21
Song, S.-M., S.-Y. Choi and Y.-K. Lee, Crystallization property effects in $Ge_{30}Se_{60}Te_{10}$ glass 217 (1997) 79
Soper, A.K., see Zotov, N. 202 (1996) 153
Soufiane, A., Y. Messaddeq, M. Poulain and B.J. Costa, Stabilization of fluoroindate glasses by magnesium fluoride 213–214 (1997) 85
Soufiane, A., see Kincs, J. 213–214 (1997) 388
Soumillion, J.-P., see Habib Jiwan, J.-L. 220 (1997) 316
Sousa, C.A.C. and C.S. Kiminami, Crystallization and corrosion resistance of amorphous FeCuNbSiB 219 (1997) 155
Spee, C.I.M.A., see Vroon, Z.A.E.P. 218 (1997) 189
Spee, C.I.M.A., see van Nijnatten, P.A. 218 (1997) 302
Speghini, A., see Bettinelli, M. 201 (1996) 211
Speghini, A., see Wachtler, M. 217 (1997) 111
Speit, B., see Buchmayer, G. 204 (1996) 253
Speth, J.A., see Marshall, C.D. 212 (1997) 59
Spinolo, G., see Martini, M. 216 (1997) 26
Spišák, D., J. Hafner, R. Lorenz and Ch. Becker, Asperomagnetism in amorphous Fe–Y alloys 205–207 (1996) 624
Sproston, M., see Hobson, P.R. 213–214 (1997) 147
Sreedhar, B., Ch. Sumalatha, H. Yamada and K. Kojima, ESR and optical absorption spectra of Co^{2+} ions in $LiF–B_2O_3$ and $K_2SO_4–ZnSO_4$ glasses 203 (1996) 172
Sreedhar, B., see Sumalatha, Ch. 203 (1996) 84
Stachel, D., see Walter, G. 217 (1997) 299
Stachs, O., Th. Gerber and V. Petkov, Atomic-scale structure of ZrO_2 xerogels by X-ray diffraction and reverse Monte Carlo simulations 210 (1997) 14
Stalgorova, O.V., see Brazhkin, V.V. 212 (1997) 49
Stangl, A., Chr. Morkel, U. Balucani and A. Torcini, Single particle motion in a dense liquid: A competition of mode coupling effects 205–207 (1996) 402
Stangl, A., see Balucani, U. 205–207 (1996) 299
Stanić, V., A.C. Pierre, T.H. Etsell and R.J. Mikula, Preparation of tungsten sulfides by sol–gel processing 220 (1997) 58
Stapleton, M., see Persans, P.D. 203 (1996) 192
Starbov, N., see Starbova, K. 210 (1997) 261
Starbova, K., J. Dikova and N. Starbov, Structure related properties of obliquely deposited amorphous a-As_2S_3 thin films 210 (1997) 261
Stebbins, J.F., see Zhang, P. 204 (1996) 294
Steeb, S., see Nuding, Ma. 205–207 (1996) 583
Stefanini, G., see Gill, K. 216 (1997) 129
Stefanovsky, S.V., see Bogomolova, L.D. 210 (1997) 101
Stefanovsky, S.V., see Bogomolova, L.D. 220 (1997) 109
Stehle, M., Excimer laser treatment for large surface 218 (1997) 218
Stetsun, A.I., I.Z. Indutnyi and V.G. Kravets, Infrared absorption of Ag- and Cu-photodoped chalcogenide films 202 (1996) 113
Stewart-Hannay, R., see Hobson, P.R. 213–214 (1997) 147
Stiller, C., J. Eckert, S. Roth, R. Schäfer, U. Klement and L. Schultz, Mechanically alloyed Fe–Zr–(B,Cu) alloys: effect of composition and heat treatment on the microstructure and the magnetic properties 205–207 (1996) 620
Stoch, L., see Aboud, T. 219 (1997) 149

Stocks, G.M., see Swihart, J.C. 205–207 (1996) 841
Stoddard, R.D., M.S. Conradi, A.F. McDowell, M.-L. Saboungi and D.L. Price, Atomic motions in NaSn: an unusual molecular semiconductor 205–207 (1996) 203
Stoffer, J.O., see Kang, S. 220 (1997) 299
Stognei, O.V., M. Rodmar, Yu.V. Barmin, I.V. Zolotukhin and Ö. Rapp, Superconducting transition temperature in amorphous ReCr alloys 205–207 (1996) 616
Strauss, G.N., N. Quang Danh and H.K. Pulker, Mechanical stress in thin SiO_2 and Ta_2O_5 films produced by reactive-low-voltage-ion-plating (RLVIP) 218 (1997) 256
Ström-Olsen, J.O., see Brüning, R. 205–207 (1996) 540
Strømme Mattsson, M., see Granqvist, C.G. 218 (1997) 273
Stryahilev, D.A., see Budaguan, B.G. 210 (1997) 267
Stuckey, J., see Moss, R.W. 218 (1997) 105
Stupp, H., see Boyen, H.-G. 205–207 (1996) 776
Su, W.H., see Yao, B. 217 (1997) 317
Suck, J.-B., Temperature dependence of the total dynamic structure factor of the metallic glass $Ni_{33}Zr_{67}$ 205–207 (1996) 592
Suck, J.-B., H. Schober and H. Güntherodt, The generalised vibrational density of states and total dynamic structure factor of the metallic glass $Zr_{65}Cu_{17.5}Ni_{10}Al_{7.5}$ measured at room temperature 205–207 (1996) 733
Suck, J.-B., see Chieux, P. 205–207 (1996) 370
Suck, J.-B., see Mihalkovic, M. 205–207 (1996) 701
Sudhakar Rao, G.V., see Bhatnagar, A.K. 204 (1996) 305
Sudharani, N., see Ratnakaram, Y.C. 217 (1997) 291
Sudo, S., see Kanamori, T. 213–214 (1997) 121
Suganuma, T., see Satoh, S. 217 (1997) 22
Sugimoto, N., see Qiu, J. 209 (1997) 200
Sugimoto, N., see Qiu, J. 213–214 (1997) 193
Sugimoto, N., see Qiu, J. 213–214 (1997) 266
Sugimoto, N., see Takai, O. 218 (1997) 280
Sugimura, K., see Itami, T. 205–207 (1996) 455
Sugiyama, K., see Takeda, S. 205–207 (1996) 151
Sulimov, V.B., see Dianov, E.M. 211 (1997) 197
Sulimov, V.B., see Sokolov, V.O. 217 (1997) 167
Sumalatha, Ch., B. Sreedhar, M. Yamazaki, T. Takeuchi, K. Mori and K. Kojima, ESR and optical absorption studies of Mn^{2+} ion doped silica and germania gels 203 (1996) 84
Sumalatha, Ch., see Sreedhar, B. 203 (1996) 172
Sun, E.Y., P.F. Becher, S.-L. Hwang, S.B. Waters, G.M. Pharr and T.Y. Tsui, Properties of silicon–aluminum–yttrium oxynitride glasses 208 (1996) 162
Sun, J., G. Zhong, X. Fan, G. Fu and C. Zheng, Electroluminescence from ITO/ SiO_2/ Ta_2O_5/ Al multiple-layer structure excited by hot electrons 212 (1997) 192
Suratwala, T., see Uhlmann, D.R. 218 (1997) 113
Suriñach, S., E. Illeková, M.D. Baró, A. Jha and S. Jordery, Evaluation of crystal nucleation and growth from crystallization kinetics data of new halide glasses 205–207 (1996) 546
Susa, K., see Satoh, S. 217 (1997) 22
Suslick, K.S., see Bellissent, R. 205–207 (1996) 656
Sutton, M., see Brüning, R. 205–207 (1996) 480
Sutton, M., see Brüning, R. 205–207 (1996) 540
Suzuki, K., see Kakinuma, F. 205–207 (1996) 147
Suzuki, K., see Latz, R. 218 (1997) 329
Suzuki, K., see Nasu, T. 205–207 (1996) 527
Suzuki, K., see Ohsaki, H. 218 (1997) 223
Suzuki, S., see Ando, E. 218 (1997) 68
Suzuki, Y., F. Niino and K. Katoh, Low-resistivity ITO films by dc arc discharge ion plating for high duty LCDs 218 (1997) 30
Svare, I., see Kim, K.H. 211 (1997) 112
Swihart, J.C., D.M.C. Nicholson, G.M. Stocks, Y. Wang, W.A. Shelton and H. Yang, Calculation of electronic properties of amorphous alloys 205–207 (1996) 841
Sycheva, G.A., see Kalinina, A.M. 219 (1997) 80
Syutkin, V.M., V.A. Tolkatchev, A.V. Dmitryuk, S.E. Paramzina and N.F. Uvarov, On the mechanism of electrical relaxation in Na^+-conductive phosphate glasses 220 (1997) 280
Szabó, I., Crystallization of magnesium aluminosilicate glasses 219 (1997) 128
Szczyrbowski, J., G. Bräuer, G. Teschner and A. Zmelty, Antireflective coatings on large scale substrates produced by reactive twin-magnetron sputtering 218 (1997) 25
Szczyrbowski, J., G. Bräuer, M. Ruske, G. Teschner and A. Zmelty, Some properties of TiO_2-layers prepared by mid-frequency and dc reactive magnetron sputtering 218 (1997) 262
Szczyrbowski, J., see Bräuer, G. 218 (1997) 19
Szigeti, F., see Kaptay, G. 205–207 (1996) 742
Szyszka, B. and S. Jäger, Optical and electrical properties of doped zinc oxide films prepared by ac reactive magnetron sputtering 218 (1997) 74

Tachibana, Y., see Ohsaki, H. 218 (1997) 223
Tadami, N., see Uemura, O. 205–207 (1996) 194
Tadanaga, K., S. Ito, T. Minami and N. Tohge, Precursor structure and microstructure of Al_2O_3 xerogels pre-

pared from aluminum-tri-sec-butoxide chemically modified with mono-, di-, tri-ethanolamines 201 (1996) 231
Taga, N., see Kamei, M. 218 (1997) 267
Taga, Y., Recent progress in coating technology for surface modification of automotive glass 218 (1997) 335
Taillades, G., see Gee, B. 215 (1997) 32
Takada, H., see Yamane, M. 203 (1996) 268
Takahashi, M., see Umesaki, N. 205–207 (1996) 225
Takahashi, Y., S. Okada, R. Bel Hadj Tahar, K. Nakano, T. Ban and Y. Ohya, Dip-coating of ITO films 218 (1997) 129
Takai, O., A. Hozumi and N. Sugimoto, Coating of transparent water-repellent thin films by plasma-enhanced CVD 218 (1997) 280
Takaki, S., see Kamei, M. 218 (1997) 267
Takebe, H., see Abe, K. 212 (1997) 143
Takebe, H., see Mito, T. 210 (1997) 155
Takebe, H., see Murata, T. 220 (1997) 139
Takeda, S., Y. Kawakita, M. Inui, K. Maruyama, S. Tamaki and Y. Waseda, Electron–ion correlation in liquid metals 205–207 (1996) 365
Takeda, S., Y. Kawakita, M. Inui, K. Maruyama, S. Tamaki, K. Sugiyama and Y. Waseda, Structure and dynamical properties of molten V_2O_5 205–207 (1996) 151
Takeda, S., see Inui, M. 205–207 (1996) 155
Takeda, S., see Inui, M. 205–207 (1996) 159
Takeda, S., see Maruyama, K. 205–207 (1996) 106
Takehana, K., see Yao, M. 205–207 (1996) 270
Takeuchi, C., see Ushio, Y. 218 (1997) 312
Takeuchi, N., S. Yamane, S. Ishida and H. Nanri, Conversion of silica gel and silica glass mixed with various metal oxides into quartz 203 (1996) 369
Takeuchi, N., see Nanri, H. 203 (1996) 375
Takeuchi, T., see Sumalatha, Ch. 203 (1996) 84
Takeuchi, Y., Thermodynamic analysis of WDM fiber couplers fabricated by using a microheater 202 (1996) 272
Tamaki, S., see Arai, Y. 205–207 (1996) 803
Tamaki, S., see Inui, M. 205–207 (1996) 155
Tamaki, S., see Koishi, T. 205–207 (1996) 383
Tamaki, S., see Maruyama, K. 205–207 (1996) 106
Tamaki, S., see Shirakawa, Y. 205–207 (1996) 357
Tamaki, S., see Takeda, S. 205–207 (1996) 151
Tamaki, S., see Takeda, S. 205–207 (1996) 365
Tamura, K., Structural changes and the metal–non-metal transition in supercritical fluids 205–207 (1996) 239
Tamura, K., see Inui, M. 205–207 (1996) 261
Tamura, K., see Sakaguchi, Y. 205–207 (1996) 115
Tan, C.Z. and J. Arndt, Electric potential-related reflection from transparent metal/v-SiO_2/metal interfaces 203 (1996) 109
Tan, F.H., see Fu, J.K. 218 (1997) 403
Tanaka, H., K. Kuraoka, H. Yamanaka and T. Yazawa, Development and disappearance of microporous structure in acid treated E-glass fiber 215 (1997) 262
Tanaka, K., A. Narazaki, K. Hirao and N. Soga, Optical second harmonic generation in poled MgO–ZnO–TeO_2 and B_2O_3–TeO_2 glasses 203 (1996) 49
Tanaka, K., see Kim, H.G. 208 (1996) 303
Tanaka, K., see Miura, K. 213–214 (1997) 276
Tanaka, K., see Qiu, J. 213–214 (1997) 193
Tanaka, K., see Yoshida, N. 210 (1997) 119
Tanaka, K., see Zeng, H.C. 209 (1997) 112
Tandia, A., Bond length distribution analysis for native oxide structure characterization using atomic scale simulation 216 (1997) 14
Tang, R.-F., see Shiu, F.-M. 209 (1997) 61
Taniguchi, T., M. Okuno and T. Matsumoto, X-ray diffraction and EXAFS studies of silicate glasses containing Mg, Ca and Ba atoms 211 (1997) 56
Tanikawa, H., see Yonezawa, F. 205–207 (1996) 793
Tarazona, P., see Chacón, E. 205–207 (1996) 251
Tarazona, P., see Velasco, E. 205–207 (1996) 897
Tatsumisago, M., see Umesaki, N. 205–207 (1996) 225
Taylor, E.R., see Jha, A. 213–214 (1997) 101
Taylor, E.R., see Naftaly, M. 213–214 (1997) 106
Tęcza, G.W. and J. Hafner, Constant-pressure and constant-stress molecular dynamics studies of the elastic properties of Fe–B glasses 202 (1996) 1
Teixeira, J., see Margaça, F.M.A. 209 (1997) 143
Templier, F., see Girault, V. 216 (1997) 55
Teowee, G., see Uhlmann, D.R. 218 (1997) 113
Teplyakov, Yu.G., see Bogomolova, L.D. 202 (1996) 178
Teplyakov, Yu.G., see Bogomolova, L.D. 202 (1996) 185
Teplyakov, Yu.G., see Bogomolova, L.D. 210 (1997) 101
Teplyakov, Yu.G., see Bogomolova, L.D. 220 (1997) 109
Téqui, C., see Richet, P. 211 (1997) 271
Terai, R., see Qiu, J. 213–214 (1997) 363
Terunuma, Y., see Kanamori, T. 213–214 (1997) 121
Teschner, G., see Bräuer, G. 218 (1997) 19
Teschner, G., see Szczyrbowski, J. 218 (1997) 262
Teschner, G., see Szczyrbowski, J. 218 (1997) 25
Tesis, V.A., see Krasny, Y.P. 205–207 (1996) 669
Thiel, S., see Habelitz, S. 220 (1997) 291
Thijsse, B.J., see Van Ee, L.D. 205–207 (1996) 641
Thompson, D.J., see Khattak, G.D. 212 (1997) 180
Thurnauer, M.C., see Rajh, T. 205–207 (1996) 815

Tick, P.A., see Bartholomew, R.F. 203 (1996) 364
Tiede, D.M., see Rajh, T. 205–207 (1996) 815
Tikhomirov, V.K., G.J. Adriaenssens and A.J. Faber, Photoinduced anisotropy and photorefraction in Pr-doped Ge–Ga–S glasses 213–214 (1997) 174
Tilley, B.P., see Williams, K.F.E. 211 (1997) 164
Tilquin, J.-Y., P. Duveiller, J. Glibert and P. Claes, Effect of basicity on redox equilibria in sodium silicate melts: An in situ electrochemical investigation 211 (1997) 95
Timofeev, N.T., see Dmitryuk, A.V. 202 (1996) 173
Todoroki, S., see Sakaguchi, S. 220 (1997) 178
Todoroki, S.-i., see Mito, T. 210 (1997) 155
Tohge, N., see Tadanaga, K. 201 (1996) 231
Tokairin, S., see Uemura, O. 205–207 (1996) 189
Tolk, N.H., see Morimoto, Y. 203 (1996) 62
Tolkatchev, V.A., see Syutkin, V.M. 220 (1997) 280
Tolochko, O.V., see Gonchukova, N.O. 208 (1996) 119
Tomasi, C., see Mustarelli, P. 215 (1997) 51
Tomić, P. and M. Davidović, The study of relaxational properties and crystallization of the metallic glass $Fe_{80}Si_{10}B_{10}$ 204 (1996) 32
Tomozawa, M., see Agarwal, A. 209 (1997) 166
Tomozawa, M., see Agarwal, A. 209 (1997) 264
Tomozawa, M., see Crichton, S.N. 215 (1997) 244
Tomozawa, M., see Davis, K.M. 201 (1996) 177
Tomozawa, M., see Davis, K.M. 203 (1996) 27
Tomozawa, M., see Peng, Y.-L. 217 (1997) 272
Tomozawa, M., see Schurman, M.K. 202 (1996) 93
Tomozawa, M., see Shin, D.W. 203 (1996) 262
Tomozawa, M., see Shin, D.W. 211 (1997) 237
Tomut, M., see Chiriac, H. 205–207 (1996) 504
Tomuţ, M., see Chiriac, H. 205–207 (1996) 687
Toneva, A., see Danesh, P. 204 (1996) 265
Tonini, R., see Corni, F. 216 (1997) 71
Tonnerre, J.M., see Burian, A. 212 (1997) 23
Toperverg, B.P., see de Jong, M. 205–207 (1996) 645
Toratani, H., see Zou, X. 201 (1996) 37
Toratani, H., see Zou, X. 215 (1997) 11
Torcini, A., see Balucani, U. 205–207 (1996) 299
Torcini, A., see Stangl, A. 205–207 (1996) 402
Torgeson, D.R., see Kim, K.H. 211 (1997) 112
Torisaka, M., see Murata, T. 220 (1997) 139
Tosello, C., see Checchetto, R. 216 (1997) 65
Tossell, J.A., Calculation of B and O NMR parameters in molecular models for B_2O_3 and alkali borate glasses 215 (1997) 236
Townsend, P.D., see Lamouroux, F. 212 (1997) 232
Traisnel, M., see Gnado, J. 208 (1996) 247
Trapalis, C., see Karakassides, M.A. 202 (1996) 198
Trioni, M.I., A. Bongiorno and L. Colombo, Structural properties of silica surface: a classical molecular dynamics study 220 (1997) 164
Trioni, M.I., see Bongiorno, A. 216 (1997) 30
Tripathi, S.K., see Agarwal, P. 201 (1996) 163
Trivillin, F., see Bogomolova, L.D. 210 (1997) 101
Tröger, L., see Yang, D.S. 210 (1997) 275
Trokšs, J., see Kliava, J. 202 (1996) 205
Trolliard, G., see Besson, J.-L. 211 (1997) 1
Tröscher, T., see Graf, W. 218 (1997) 380
Trukhin, A., see Goldberg, M. 220 (1997) 69
Tsegelnik, V., see Bychkov, E. 208 (1996) 1
Tsiok, O.B., see Brazhkin, V.V. 212 (1997) 49
Tsuchiya, T., see Sei, T. 218 (1997) 135
Tsuchiya, T., see Watanabe, Y. 210 (1997) 55
Tsuchiya, Y., Sound velocity in the liquid Ag–Se system 205–207 (1996) 94
Tsuchiya, Y. and M. Nagai, Critical sound wave propagation in an alloy with a miscibility gap 205–207 (1996) 430
Tsuchiya, Y., F. Kakinuma and C. Bergman, Structural changes and concentration fluctuations in the liquid Se–Te system 205–207 (1996) 143
Tsuchiya, Y., see Kakinuma, F. 205–207 (1996) 147
Tsui, T.Y., see Sun, E.Y. 208 (1996) 162
Tsuji, K., Y. Katayama, H. Kanda and H. Nosaka, Amorphization from the quenched high-pressure phase in GaAs and GaP 205–207 (1996) 518
Tsuji, K., Y. Katayama, Y. Morimoto and O. Shimomura, Structure of liquid rubidium under high pressure 205–207 (1996) 295
Tsuji, K., see Katayama, Y. 205–207 (1996) 199
Tsuji, K., see Katayama, Y. 205–207 (1996) 451
Tsukuma, K., T. Akiyama and H. Imai, Liquid phase deposition film of tin oxide 210 (1997) 48
Tsuneoka, T., K. Kojima and S. Bojja, Upconversion fluorescence and low temperature fluorescence properties in Nd^{3+}-doped $ZnCl_2$-based glass 202 (1996) 297
Tsuzuki, T., see Ikemoto, H. 205–207 (1996) 347
Tu, J., S.A. FitzGerald, J.A. Campbell and A.J. Sievers, Glass-like properties observed in low-frequency Raman scattering of mixed fluorite crystals 203 (1996) 153
Tung, Y.S., see Henderson, D.O. 205–207 (1996) 788
Turban, G., see Vallée, C. 216 (1997) 48
Turkina, E.Yu., see Kuznetsov, S.L. 213–214 (1997) 68
Turnbull, D.A. and S.G. Bishop, Effect of transition metal co-doping on broad band luminescence excitation mechanism in rare earth-doped chalcogenide glasses 213–214 (1997) 288
Turrell, S., see Duverger, C. 220 (1997) 169
Tusch, M.A., see Dücker, H. 205–207 (1996) 32
Tverjanovich, A., Yu.S. Tveryanovich and S. Loheider, Raman spectra of gallium sulfide based glasses 208 (1996) 49

Tveryanovich, Yu.S., see Tverjanovich, A. 208 (1996) 49
Uchida, K., see Yoda, S. 208 (1996) 191
Uchino, T. and T. Yoko, Ab initio cluster model calculations on the vibrational frequencies of TeO_2 glass 204 (1996) 243
Uebbing, B. and A.J. Sievers, Influence of the glass network on the vibrational energy transfer from H_2O impurities in the Ge–As–Se glass series 203 (1996) 159
Ueda, A., see Henderson, D.O. 205–207 (1996) 788
Uemura, O., N. Hayasaka, S. Tokairin and T. Usuki, Local atomic arrangement in Ge–Te and Ge–S–Te glasses 205–207 (1996) 189
Uemura, O., T. Mori, N. Tadami and Y. Kameda, Amorphous structure in Te–X–I (X:S, Se) mixtures 205–207 (1996) 194
Uemura, O., see Kameda, Y. 205–207 (1996) 130
Uemura, O., see Usuki, T. 205–207 (1996) 184
Uhlmann, D.R., T. Suratwala, K. Davidson, J.M. Boulton and G. Teowee, Sol–gel derived coatings on glass 218 (1997) 113
Umesaki, N., M. Takahashi, M. Tatsumisago and T. Minami, Raman spectroscopic study of alkali silicate glasses and melts 205–207 (1996) 225
Ushio, Y., C. Takeuchi, S. Oshikawa and I. Kuwano, Optical loss estimation of coatings at the ArF excimer laser wavelength 218 (1997) 312
Usuki, T., K. Saitoh, M. Endo and O. Uemura, Short-range order of amorphous and liquid As–Te–I system 205–207 (1996) 184
Usuki, T., see Kameda, Y. 205–207 (1996) 130
Usuki, T., see Uemura, O. 205–207 (1996) 189
Utsumi, M., see Fukunaga, T. 205–207 (1996) 531
Uttormark, M.J. and J.H. Perepezko, The effect of crystal structure on nucleation 205–207 (1996) 550
Uvarov, N.F., see Syutkin, V.M. 220 (1997) 280
Uytterhoeven, J.B., see De Witte, B.M. 202 (1996) 35

Valentine, J.S., see Miller, J.M. 202 (1996) 279
Valentini, G., see Polignano, M.L. 216 (1997) 88
Vallée, C., A. Goullet, F. Nicolazo, A. Granier and G. Turban, In situ ellipsometry and infrared analysis of PECVD SiO_2 films deposited in an O_2/TEOS helicon reactor 216 (1997) 48
Van den Beukel, A., see de Hey, P. 205–207 (1996) 696
Van der Aart, S.A., W. van der Lugt, P. Verkerk, R. Xu, F. van der Horst and R.L. McGreevy, The effect of adding a tea-spoon of palladium to liquid potassium–thallium 205–207 (1996) 71
Van der Horst, F., see van der Aart, S.A. 205–207 (1996) 71
Van der Lugt, W., see van der Aart, S.A. 205–207 (1996) 71
Van Ee, L.D., B.J. Thijsse and J. Sietsma, Phonon localization and atomic mobility in amorphous $Ni_{81}B_{19}$ 205–207 (1996) 641
Vanheusden, K., W.L. Warren and R.A.B. Devine, H^+ and D^+ associated charge buildup during annealing of $Si/SiO_2/Si$ structures 216 (1997) 116
Van Nijnatten, P.A. and C.I.M.A. Spee, Determination of directional optical properties of an electrochromic device 218 (1997) 302
Van Zytveld, J., see Burkov, A.T. 205–207 (1996) 332
Van Zytveld, J., see Yamamoto, I. 205–207 (1996) 728
Van Zytveld, J.B., see Zuo, D. 205–207 (1996) 328
Varner, J.R., see Hach, C.T. 209 (1997) 159
Vasconcelos, H.C., see Orignac, X. 217 (1997) 155
Vasey, F., see Gill, K. 216 (1997) 129
Vaz de Araújo, A.C., I.T. Weber, B.S. Santos, B.J.P. da Silva, R.P. de Mello Jr., S. Alves Jr., G.F. de Sá and C. de Mello Donegá, Spectroscopy and crystallization behavior of Eu^{3+}-doped La_2O_3:B_2O_3 binary glasses 219 (1997) 160
Vedeshwar, A.G., see Arun, P. 220 (1997) 63
Velasco, E., J.P. Hernandez, P. Tarazona and E. Chacón, Gibbs-ensemble Monte Carlo simulation for the liquid–vapor coexistence of alkali fluids 205–207 (1996) 897
Venkateswara Rao, A., see Pajonk, G.M. 209 (1997) 40
Verboven, D., see Binnemans, K. 204 (1996) 178
Verdier, P., see Rocherullé, J. 211 (1997) 222
Verkerk, P., see van der Aart, S.A. 205–207 (1996) 71
Veszelei, M., see Granqvist, C.G. 218 (1997) 273
Viana, B., M. Palazzi and O. LeFol, Optical characterization of Nd^{3+} doped sulphide glasses 215 (1997) 96
Villain, F., see Landron, C. 204 (1996) 65
Villegas, M.A., M. Aparicio and A. Durán, Thick sol–gel coatings based on the B_2O_3–SiO_2 system 218 (1997) 146
Vinckel, J. and J.G. Gasser, Electrical resistivity and absolute thermoelectric power of liquid silver–bismuth alloys 205–207 (1996) 388
Vinckel, J., see Benazzi, N. 201 (1996) 172
Vinckel, J., see Gasser, J.-G. 205–207 (1996) 120
Vinogradova, N., see Dmitruk, L. 213–214 (1997) 311
Vinogradova, N.U., see Khalilev, V.D. 204 (1996) 196
Vlasov, Yu., see Bychkov, E. 208 (1996) 1
Vlček, M., see Frumar, M. 213–214 (1997) 215
Vlček, M., see Wagner, T. 212 (1997) 157

Vogel, E.M., M.H. Grabow and S.W. Martin, Role of silica densification in the performance of optical connectors 204 (1996) 95
Volkov, P., see Poon, S.J. 205–207 (1996) 1
Völksch, G. and K. Heide, Dissolved gases and minor component effects on glass crystallization 219 (1997) 119
Vollet, D.R., see Donatti, D.A. 204 (1996) 301
Vollet, D.R., see Donatti, D.A. 208 (1996) 99
Vollmann, J. and V. Didoukh, Investigation of critical phenomena in the miscibility gap region of the In–Te system 205–207 (1996) 408
Vollmann, J., see Nikolaev, B. 208 (1996) 145
Von Niessen, W., see Dücker, H. 205–207 (1996) 32
Vos, T., see Zuo, D. 205–207 (1996) 328
Vroon, Z.A.E.P. and C.I.M.A. Spee, Sol–gel coatings on large area glass sheets for electrochromic devices 218 (1997) 189
Vuong, K.D., see Moss, R.W. 218 (1997) 105
Vyatkin, G.P., T.P. Privalova, A.E. Chudakov, B.R. Gelchinski and A.B. Manokhin, Particle desorption from the surface of an amorphous metallic alloy 205–207 (1996) 563

Wachtler, M., A. Speghini, S. Pigorini, R. Rolli and M. Bettinelli, Phonon sidebands and vibrational properties of Eu^{3+} doped lead germanate glasses 217 (1997) 111
Wagner, T., V. Peřina, M. Vlček, M. Frumar, E. Rauhala, J. Saarilahti and P.J.S. Ewen, Rutherford backscattering and kinetics study of the photo-induced solid state chemical reaction between silver and amorphous $As_{33}S_{67}$ layers 212 (1997) 157
Wágner, T., see Frumar, M. 213–214 (1997) 215
Wakabayashi, H., The relationship between kinetic and thermodynamic properties in mixed alkali glass 203 (1996) 274
Wakabayashi, H., see Qiu, J. 213–214 (1997) 363
Wakamatsu, M., see Nanri, H. 203 (1996) 375
Wakasugi, T., A. Hirota, J. Fukunaga and R. Ota, Solubility of Ag_2O into the Na_2O–B_2O_3–Al_2O_3 system 210 (1997) 141
Wakasugi, T., see Ota, R. 219 (1997) 70
Walter, G., U. Hoppe, T. Baade, R. Kranold and D. Stachel, Intermediate range order in MeO–P_2O_5 glasses 217 (1997) 299
Wan, J., see Cheng, K. 215 (1997) 134
Wang, A.M., see Yao, B. 205–207 (1996) 554
Wang, H. and R. Lück, Mixing enthalpy of liquid T–Ti–Zr (T = Fe, Co, Ni) alloys 205–207 (1996) 417
Wang, J., see Gan, F. 213–214 (1997) 261
Wang, J., see Shen, J. 220 (1997) 102
Wang, J.-l., see Chen, S.-w. 220 (1997) 243
Wang, J.G., see Liu, K.W. 215 (1997) 140
Wang, W.K., see Zhang, M. 219 (1997) 84
Wang, X.-M., see Saito, M. 205–207 (1996) 721
Wang, X.W., see Moss, R.W. 218 (1997) 105
Wang, Y., see Swihart, J.C. 205–207 (1996) 841
Wang, Y.B., D.H. Ryan and Z. Altounian, Structural and thermal studies of nitrate glasses 205–207 (1996) 221
Warren, W.L., see Vanheusden, K. 216 (1997) 116
Warren Jr., W.W., Summary — experiment 205–207 (1996) 930
Warrington, D.H., see Lück, R. 205–207 (1996) 25
Waseda, Y., see Saito, M. 205–207 (1996) 721
Waseda, Y., see Takeda, S. 205–207 (1996) 151
Waseda, Y., see Takeda, S. 205–207 (1996) 365
Wasiucionek, M. and M.W. Breiter, Spectrofluorimetric studies of water content in sol–gel processing of TMOS 220 (1997) 52
Watabe, K., see Ishibashi, K. 218 (1997) 354
Watabe, M., see Munejiri, S. 205–207 (1996) 278
Watabe, M., see Shimojo, F. 205–207 (1996) 893
Watanabe, K., see Nanri, H. 203 (1996) 375
Watanabe, Y. and T. Tsuchiya, Two-photon absorption and non-linear refraction in commercial lead silicate glasses at 532 nm 210 (1997) 55
Waters, S.B., see Sun, E.Y. 208 (1996) 162
Watson, R.J., see Craig, B.I. 217 (1997) 106
Wax, J.-F., see Gasser, J.-G. 205–207 (1996) 120
Wax, J.-F., see Jakse, N. 205–207 (1996) 434
Weber, I.T., see Vaz de Araújo, A.C. 219 (1997) 160
Weeks, R.A., see Anderson, T.S. 203 (1996) 114
Weeks, R.A., see Morimoto, Y. 203 (1996) 55
Weeks, R.A., see Morimoto, Y. 203 (1996) 62
Wegener, E.J., Large volume coated glass production for architectural markets in North America 218 (1997) 7
Wei, K., see Machewirth, D.P. 213–214 (1997) 295
Weinberg, M.C. and D.P. Birnie III, Avrami exponents for transformations producing anisotropic particles 202 (1996) 290
Weinberg, M.C., D.P. Birnie III and V.A. Shneidman, Crystallization kinetics and the JMAK equation 219 (1997) 89
Weinberg, M.C., see Deubener, J. 215 (1997) 252
Weißmann, R., see Feldmann, M. 218 (1997) 205
Wendler, E., see Herrmann, U. 204 (1996) 273
Wenger, L.E., see Khattak, G.D. 212 (1997) 180
Werner, J.H., see Bergmann, R.B. 218 (1997) 388
Werner, J.H., see Brendel, R. 218 (1997) 391
Wesch, W., see Herrmann, U. 204 (1996) 273
Wesch, W., see Hobert, H. 220 (1997) 187
West, G.F. and W. Höfle, Spectral attenuation of fluoride glass fibers 213–214 (1997) 189

Whang, J.H., see Schroeder, J. 203 (1996) 186
White, C.W., see Henderson, D.O. 205–207 (1996) 788
Wiedemuth, P., see Rettich, T. 218 (1997) 50
Wilde, G., C. Mitsch, G.P. Görler and R. Willnecker, Specific heat and related thermodynamic functions of undercooled Cu–Ni and Au melts 205–207 (1996) 425
Wilde, G., G.P. Görler and R. Willnecker, The specific heat of highly undercooled (Co, Ni, Fe)–Pd melts 205–207 (1996) 317
Wilk Jr., N.R. and H.D. Schreiber, Co^{2+} as a structural probe in acetate liquids and glasses 217 (1997) 189
Willey, R.J., see Li, W. 212 (1997) 243
Williams, K.F.E., C.E. Johnson, J. Greengrass, B.P. Tilley, D. Gelder and J.A. Johnson, Tin oxidation state, depth profiles of Sn^{2+} and Sn^{4+} and oxygen diffusivity in float glass by Mössbauer spectroscopy 211 (1997) 164
Willnecker, R., see Wilde, G. 205–207 (1996) 317
Willnecker, R., see Wilde, G. 205–207 (1996) 425
Winter, R., K. Siegmund and P. Heitjans, Nuclear magnetic and conductivity relaxations by Li diffusion in glassy and crystalline $LiAlSi_4O_{10}$ 212 (1997) 215
Winter, R., O. Leichtweiß, C. Biermann, M.-L. Saboungi, R.L. McGreevy and W.S. Howells, Survival of polyanions in expanded liquid Zintl alloys 205–207 (1996) 66
Witschas, M., G. Regelsky and H. Eckert, NMR studies of phosphorus in Si–P–Te and Ge–P–Te glasses 215 (1997) 226
Wittkop, M., Th. Hölzl, S. Kreitmeier and D. Göritz, A Monte Carlo study of the glass transition in three-dimensional polymer melts 201 (1996) 199
Wittwer, V., see Graf, W. 218 (1997) 380
Wokaun, A., see Janosovits, U. 210 (1997) 1
Womes, M., see Durand, J.-M. 208 (1996) 36
Wootton, A.M., M. Rappensberger, M.H. Lewis, S. Kitchin, A.P. Howes and R. Dupree, Structural properties of multi-component silicon oxycarbide glasses derived from metal alkoxide precursors 204 (1996) 217
Wright, A.C., see Clare, A.G. 213–214 (1997) 321
Wu, H.-F., C.-C. Lin and P. Shen, Structure and dissolution of $CaO–ZrO_2–TiO_2–Al_2O_3–B_2O_3–SiO_2$ glass (II) 209 (1997) 76
Wu, X., S. Huang, W.M. Yen, B.G. Aitken and M.A. Newhouse, The temperature and excitation wavelength dependence of the luminescence from Cr^{4+} in MgCaBa aluminate glass 203 (1996) 120
Wynblatt, P., see Landa, A. 205–207 (1996) 767
Xing, L.Q., P. Ochin and J. Bigot, Effects of Al on the glass-forming ability of Zr–Cu based alloys 205–207 (1996) 637
Xing, L.Q., P. Ochin, M. Harmelin, F. Faudot and J. Bigot, Alloys of high glass-forming ability 205–207 (1996) 597
Xu, J., S. Miyazaki and M. Hirose, High-quality hydrogenated amorphous silicon–germanium alloys for narrow bandgap thin film solar cells 208 (1996) 277
Xu, R., see van der Aart, S.A. 205–207 (1996) 71
Xu, Y.F., see Zhang, M. 219 (1997) 84
Yagi, T., see Kubuki, S. 209 (1997) 87
Yamada, H., see Sreedhar, B. 203 (1996) 172
Yamamoto, I., J. Van Zytveld and H. Endo, Local structure of Al–La–Ni amorphous alloys 205–207 (1996) 728
Yamamoto, I., see Ikemoto, H. 205–207 (1996) 347
Yamamoto, I., see Ohmasa, Y. 205–207 (1996) 57
Yamanaka, H., see Tanaka, H. 215 (1997) 262
Yamane, M., S. Shibata, A. Yasumori, T. Yano and H. Takada, Structural evolution during Ag^+/Na^+ ion exchange in a sodium silicate glass 203 (1996) 268
Yamane, M., see Yano, T. 213–214 (1997) 345
Yamane, S., see Takeuchi, N. 203 (1996) 369
Yamashita, H., see Yokozeki, M. 202 (1996) 241
Yamasita, M., see Itami, T. 205–207 (1996) 375
Yamazaki, M., see Sumalatha, Ch. 203 (1996) 84
Yang, D.S., D.R. Fazzini, T.I. Morrison, L. Tröger and G. Bunker, Modeling of pair distribution functions for XAFS in disordered systems 210 (1997) 275
Yang, F. and J.C.M. Li, Newtonian viscosity measured by impression test 212 (1997) 126
Yang, F. and J.C.M. Li, Viscosity of selenium measured by impression test 212 (1997) 136
Yang, H., see Swihart, J.C. 205–207 (1996) 841
Yang, J.J., I.M. El-Nahhal and G.E. Maciel, Synthesis and solid-state NMR structural characterization of some functionalized polysiloxanes 204 (1996) 105
Yang, J.J., I.M. El-Nahhal, I.-S. Chuang and G.E. Maciel, Synthesis and solid-state NMR structural characterization of polysiloxane-immobilized phosphine, phosphine–amine and phosphine–thiol ligand systems 212 (1997) 281
Yang, J.J., I.M. El-Nahhal, I.-S. Chuang and G.E. Maciel, Synthesis and solid-state NMR structural characterization of polysiloxane. -immobilized amine ligands and their metal complexes 209 (1997) 19
Yang, J.J., see El-Nahhal, I.M. 208 (1996) 105

Yano, T., J. Mizuno, S. Shibata, M. Yamane, S. Inoue and Y. Onoda, NMR study on glass structure of chlorine-doped AlF_3-based glasses with various glass-forming abilities 213–214 (1997) 345
Yano, T., see Yamane, M. 203 (1996) 268
Yao, B., F.S. Li, X.M. Lin, B.Z. Ding, W.H. Su and Z.Q. Hu, High pressure crystallization of amorphous $(Fe_{0.99}, Mo_{0.01})_{78}Si_9B_{13}$ 217 (1997) 317
Yao, B., Y.Y. Hao, A.M. Wang, W.Q. Guo, B.Z. Ding, H.Z. Liu and Z.Q. Hu, Study of the thermodynamic mechanism of the crystallization of amorphous Fe–Mo–Si–B alloy with a diffusion reaction at the surface 205–207 (1996) 554
Yao, M. and H. Endo, Structure and physical properties of liquid chalcogens 205–207 (1996) 85
Yao, M., K. Okada, T. Aoki and H. Endo, Acoustic properties of expanded fluid mercury 205–207 (1996) 274
Yao, M., K. Takehana and H. Endo, Anomalous volume contraction of expanded mercury by the addition of impurity elements 205–207 (1996) 270
Yao, M., see Hensel, F. 205–207 (1996) 231
Yao, M., see Kawakita, Y. 205–207 (1996) 447
Yao, M., see Nagaya, K. 205–207 (1996) 807
Yaoita, K., see Katayama, Y. 205–207 (1996) 451
Yard, G., A. Meinertzhagen, C. Petit, M. Jourdain and F. Mondon, Comparison of the charges generated by Fowler–Nordheim tunneling injection in different oxides of metal–oxide–semiconductor capacitors 216 (1997) 174
Yasuhara, Y., see Itami, T. 205–207 (1996) 455
Yasui, I., see Kamei, M. 218 (1997) 267
Yasukawa, M., see Hosono, H. 203 (1996) 334
Yasumori, A., see Yamane, M. 203 (1996) 268
Yazawa, T., see Tanaka, H. 215 (1997) 262
Ye, C.C., D.W. Hewak, M. Hempstead, B.N. Samson and D.N. Payne, Spectral properties of Er^{3+}-doped gallium lanthanum sulphide glass 208 (1996) 56
Yelon, A., see Chao Chen, W. 220 (1997) 254
Yen, W.M., see Wu, X. 203 (1996) 120
Yiannopoulos, Y.D., see Jain, H. 203 (1996) 320
Yiannopoulos, Y.D., see Kamitsos, E.I. 203 (1996) 312
Yin, H., P. Deng, J. Zhang and F. Gan, Emission properties of Yb^{3+} in fluorophosphate glass. (1996) 210 (1997) 243
Yoda, S., S. Ohshima, K. Kamiya, A. Kawai, K. Uchida, A. Gotoh and F. Ikazaki, Effects of ethanolamines catalysts on properties and microstructures of silica aerogels 208 (1996) 191
Yoko, T., see Innocenzi, P. 201 (1996) 26
Yoko, T., see Uchino, T. 204 (1996) 243
Yokokura, S., see Nakagawa, M. 218 (1997) 100
Yokoyama, I., see Arai, T. 205–207 (1996) 879
Yokozeki, M., T. Moriyasu, H. Yamashita and T. Maekawa, Electrochemical studies of the redox behavior of antimony ions in sodium borate and silicate melts 202 (1996) 241
Yonezawa, F. and H. Tanikawa, Density-functional molecular dynamics study of Cd microclusters: stability and non-metal–metal transition 205–207 (1996) 793
Yonezawa, F., S. Fujiwara and S. Gomi, Model of anomalous relaxation in supercooled liquids: random walk in fractal space and time 205–207 (1996) 884
Yonezawa, Y., see Masuda, A. 217 (1997) 121
Yoon, J.-H. and C.-H. Lee, Saturation of the metastable defect density in amorphous silicon semiconductor 209 (1997) 193
Yoon, S.F., R. Ji and J. Ahn, Some effects of boron doping in a-SiC:H films prepared by the ECR-CVD method 211 (1997) 173
Yoon, Y.K., W.-T. Han and S.J. Chung, Effect of phase separation on precipitation characteristics of CuCl quantum dots in the borosilicate glass system 203 (1996) 195
Yoshida, N. and K. Tanaka, Ag migration in Ag–As–S glasses induced by electron-beam irradiation 210 (1997) 119
Yu, X., D.E. Day, G.J. Long and R.K. Brow, Properties and structure of sodium–iron phosphate glasses 215 (1997) 21
Yuan, S.H., Pr^{3+}-doped network of halides in silica: a new approach to 1.3 μm light amplifying material 215 (1997) 108
Yue, Y. and R. Brückner, Comparison of some non-Newtonian flow equations for inorganic glass melts and amorphous polymers 202 (1996) 253
Yükselici, H. and P.D. Persans, High temperature optical properties of CdS crystals in borosilicate glass 203 (1996) 206
Yükselici, H., see Persans, P.D. 203 (1996) 192
Yuritsin, N.S., see Fokin, V.M. 219 (1997) 37

Zakulski, W., see Gasior, W. 205–207 (1996) 379
Zaluska, A., see Brüning, R. 205–207 (1996) 540
Zanchetta, J.V., see El Mkami, H. 208 (1996) 21
Zanotti, L., see Corni, F. 216 (1997) 71
Zanotto, E.D., Metastable phases in lithium disilicate glasses 219 (1997) 42
Zanotto, E.D. and M.L.G. Leite, The nucleation mechanism of lithium dissilicate glass revisited 202 (1996) 145
Zanotto, E.D., see Cabral Jr., A.A. 219 (1997) 182

Zapp, P., see Munro, B. 218 (1997) 185
Zappel, J. and F. Sommer, Heat capacity and non-isothermal viscous flow of $Al_{7.5}Cu_{17.5}Ni_{10}Zr_{65}$ glassy alloy in the glass transition range 205–207 (1996) 494
Zeballos-Velásquez, E.L. and M.C.A. Fantini, Small angle X-ray diffraction study of a-Si:H/a-Ge:H multilayers: reflectivity modeling and thermal stability 209 (1997) 175
Zekak, A., P.J.S. Ewen, C.W. Slinger and A.E. Owen, The effect of heat on the metal photodissolution process in amorphous $As_{40}S_{60}$ films 202 (1996) 122
Zempo, Y., see Shimojo, F. 205–207 (1996) 893
Zeng, H.C., K. Tanaka, K. Hirao and N. Soga, Crystallization and glass formation in $50Li_2O \cdot 50Nb_2O_5$ and $25Li_2O \cdot 25Nb_2O_5 \cdot 50SiO_2$ 209 (1997) 112
Zerda, T.W., see Koone, N.D. 211 (1997) 150
Zhang, G., B. Friot and M. Poulain, New gallium and indium based fluoride glasses 213–214 (1997) 6
Zhang, G., see Jiang, J. 213–214 (1997) 11
Zhang, J., see Yin, H. 210 (1997) 243
Zhang, J.S., see Liu, K.W. 215 (1997) 140
Zhang, M., Y.F. Xu and W.K. Wang, Amorphous phase appearance at Nb–Si interfaces 219 (1997) 84
Zhang, P., C. Dunlap, P. Florian, P.J. Grandinetti, I. Farnan and J.F. Stebbins, Silicon site distributions in an alkali silicate glass derived by two-dimensional ^{29}Si nuclear magnetic resonance 204 (1996) 294
Zhang, X.H., see Lucas, J. 203 (1996) 127
Zheng, C., see Sun, J. 212 (1997) 192
Zhilin, A.A., see Kang, U. 204 (1996) 151
Zhong, G., see Sun, J. 212 (1997) 192
Zhou, B., see Shen, J. 220 (1997) 102
Zhou, W., Method for exploring glass-forming regions in new systems 201 (1996) 256
Zhou, Z.H., H. Nasu, T. Hashimoto and K. Kamiya, Non-linear optical properties and structure of Na_2S–GeS_2 glasses 215 (1997) 61
Zhu, D.-M. and T. Kosugi, Thermal conductivity of GeO_2–SiO_2 and TiO_2–SiO_2 mixed glasses 202 (1996) 88
Zhu, D.-M., see Cheong, K.-I. 204 (1996) 158
Zhu, J., Z. Bo and D. Dong, Crystallization kinetics of InF_3 based glass by differential scanning calorimetry 201 (1996) 47
Zhu, J., see Dong, D. 204 (1996) 260
Zhu, J., see Dong, D. 208 (1996) 282
Zhu, J.G., see Henderson, D.O. 205–207 (1996) 788
Zhu, Z., P. Jung and E. Langenscheidt, Optical absorption in proton-irradiated vitreous silica and its dependence on irradiation conditions and annealing 217 (1997) 173
Ziegler, G., see Janosovits, U. 210 (1997) 1
Zink, J.I., see Miller, J.M. 202 (1996) 279
Ziq, Kh., see Mekki, A. 220 (1997) 267
Zmelty, A., see Szczyrbowski, J. 218 (1997) 262
Zmelty, A., see Szczyrbowski, J. 218 (1997) 25
Zolotukhin, I.V., see Stognei, O.V. 205–207 (1996) 616
Zotov, N., F. Bellido and R. Jimenez-Garay, Structure of Ag–As–Se glasses with high silver content X-ray diffraction and reverse Monte Carlo simulations 209 (1997) 149
Zotov, N., H. Keppler, A.C. Hannon and A.K. Soper, The effect of water on the structure of silicate glasses – A neutron diffraction study 202 (1996) 153
Zou, X. and H. Toratani, Blue and green upconversion fluorescences of Ho^{3+} in fluoride glasses 201 (1996) 37
Zou, X., K. Itoh and H. Toratani, Transmission loss characteristics of fluorophosphate optical fibers in the ultraviolet to visible wavelength region 215 (1997) 11
Zou, Z. and Z. Hu, Compositional dependence of crystallization in the glass-ceramics system Bi_2O_3–In_2O_3–CuO–B_2O_3 201 (1996) 246
Zueco-Rodrigo, E., see Seidel, M. 205–207 (1996) 514
Zuhr, R.A., see Anderson, T.S. 203 (1996) 114
Zuhr, R.A., see Henderson, D.O. 205–207 (1996) 788
Zuhr, R.A., see Morimoto, Y. 203 (1996) 55
Zuhr, R.A., see Morimoto, Y. 203 (1996) 62
Zukotynski, S., see O'Leary, S.K. 210 (1997) 249
Zuo, D., T. Vos, H. Nymeyer, L. Reynolds, H.S. Schnyders and J.B. Van Zytveld, Electronic properties of the liquid alloys AlCa and AlBa 205–207 (1996) 328
Zver'kova, I., see Aronin, A. 208 (1996) 139

ELSEVIER

Journal of Non-Crystalline Solids 201–220 (1997) 49–89

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index to volumes 201–220

Absorption
Deposition Techniques, Optical Properties, Thin Films 218 (1997) 380
Glasses Containing Transition Metal Ions, Optical Properties, Oxides 220 (1997) 139
Pressure Effects 205–207 (1996) 110

Acoustic Properties
Aerogels, Gels 211 (1997) 132
Chalcogenide Glasses, Defects 213–214 (1997) 168
Clusters, Critical Point, Expanded Liquid Metals 205–207 (1996) 256
Silicon Carbide, Thin Films 209 (1997) 273

Aerogels
Acoustic Properties, Gels 211 (1997) 132
Crystallization, Sol–Gel Processes 215 (1997) 146
Densification, Modelling 212 (1997) 262
Drying, Freezing 212 (1997) 250
Electron Microscopy, Gels, Piezoresistance, Thermal Properties 201 (1996) 66
Fluorides, Structure 204 (1996) 172
Germania, Silica 220 (1997) 102
Infra-red Absorption, Surface Reactions 212 (1997) 243
Luminescence, Processing Variables 217 (1997) 229
Processing Variables, Sol–Gel Precursors 210 (1997) 224
Processing Variables, Sol–Gel Processes 204 (1996) 228
Processing Variables 208 (1996) 191
Raman Spectra, Water in Glass 211 (1997) 294
Silica, XPS 201 (1996) 76
Sol–Gel Processes 212 (1997) 268

Alkali Borate Glasses
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Optical Properties 201 (1996) 95
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Optical Properties 202 (1996) 215
Fluorescence Spectra, Rare Earth Ions 217 (1997) 291
Magnetic Properties, Optical Properties, Oxidation Reduction 208 (1996) 199

Alkali Silicate Glasses
Annealing Effects, Calorimetry, Crystallization 204 (1996) 1
Crystallization, Liquids, Stress Measurement, Viscosity 209 (1997) 96
Electrochemical Properties, Liquids, Oxidation Reduction 211 (1997) 95
Glass Transition, Optical Properties, Structural Relaxation 204 (1996) 282
Glasses Containing Transition Metal Ions, XPS 215 (1997) 271
Magnetic Properties, Transition Metals, XANES 220 (1997) 267
Nuclear Magnetic Resonance, Pressure Effects 209 (1997) 299
Nuclear Magnetic Resonance, Structure 204 (1996) 294

Alloys
Amorphization, Ion Irradiation 217 (1997) 308
Crystallization, Glass Formation, Plasticity 205–207 (1996) 597
Crystallization, Glass Formation, Plasticity 205–207 (1996) 637
Crystallization, Magnetic Properties, Metallic Glasses 204 (1996) 32
Crystallization, Nucleation 208 (1996) 288
Differential Scanning Calorimetry, Differential Thermal Analysis, Glass-forming Viscous Liquids, Glasses Containing Transition Metal Ions 208 (1996) 127
Elastic Properties, Glasses Containing Transition Metal Ions, Molecular Dynamics 202 (1996) 1
Electrodeposition, Glasses Containing Transition Metal Ions 201 (1996) 102
Germanium, Silicon, Small Angle X-ray Scattering 209 (1997) 175
Glass Transition, Hardness, Nanocrystalline Materials, Quenching 205–207 (1996) 522
Ion Irradiation, Multilayers, Thin Films 211 (1997) 180
Magnetic Properties, Mössbauer Effect 204 (1996) 305
Metallic Glasses, Modelling, Structure 205–207 (1996) 567
Photoinduced Effects, Silicon, Thermal Properties 201 (1996) 163

Relaxation, Specific Heat, Stress Relaxation 208 (1996) 119
Specific Heat, Thermodynamics 205–207 (1996) 425

Alumina
Coatings, Conductivity, Silica, Silicon, Tin Oxide, Titania 218 (1997) 81
Infra-red Absorption, Raman Spectra, Sol–Gel Processes 210 (1997) 1

Amorphization
Alloys, Ion Irradiation 217 (1997) 308
Density of States, Electronic Structure, Interfaces 205–207 (1996) 776
Differential Scanning Calorimetry, Intermetallic Compounds, X-ray Diffraction 219 (1997) 170
Photoreceptor, Pressure-Induced Structural Transformation 212 (1997) 49
Tetrahedral Materials, X-ray Diffraction 205–207 (1996) 518

Amorphous Alloys
Amorphous Alloys 205–207 (1996) 536
Amorphous Alloys 205–207 (1996) 616
Anomalous X-ray Scattering, Structure 205–207 (1996) 721
Ceramics, Composites, Processing Variables, Thermoelectric Power 205–207 (1996) 742
Chemical Short-Range Order, Diffusion, Elastic Properties, Plasticity 205–207 (1996) 696
Chemical Short-Range Order, EXAFS 205–207 (1996) 728
Computer Simulation, Neutron Diffraction, Short-Range Order, Three-body Correlations 205–207 (1996) 888
Conductivity, Structural Relaxation 205–207 (1996) 706
Corrosion, Differential Scanning Calorimetry, Nanocrystalline Materials 219 (1997) 155
Crystallization, Diffusion, Surface Reactions 205–207 (1996) 554
Crystallization, Electrical Properties, Kinetics 211 (1997) 72
Crystallization, Glasses Containing Transition Metal Ions 208 (1996) 139
Crystallization, Small Angle X-ray Scattering, X-ray Diffraction 205–207 (1996) 540
Crystallization, Supercooled Liquids 205–207 (1996) 514
Crystallization, Surface Reactions 205–207 (1996) 563
Density, Elastic Properties, Structural Relaxation 205–207 (1996) 602
Dielectric Properties, Optical Properties, Thin Films 205–207 (1996) 180
Differential Scanning Calorimetry, Magnetic Properties, Nanocrystalline Materials 205–207 (1996) 811
Differential Scanning Calorimetry, Nanocrystalline Materials, Scanning Electron Microscopy 205–207 (1996) 559
Dynamical Structure, Metallic Glasses, Neutron Inelastic Scattering 205–207 (1996) 592
Electrical Properties, Glasses Containing Transition Metal Ions, Magnetic Properties 220 (1997) 147
Electrical Properties, Hall Coefficient, Thin Films 205–207 (1996) 665
Electrodeposition, Mössbauer Effect, Thin Films, X-ray Diffraction 204 (1996) 99
Electron Microscopy, Forming, Thermal Properties, X-ray Diffraction 202 (1996) 266
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Hydrogenation 210 (1997) 136
Electronic Structure, Local Environment, Theory 205–207 (1996) 841
Electronic Structure, X-ray Emission 205–207 (1996) 587
EXAFS, Raman Spectra, Short-Range Order 205–207 (1996) 184
Germanium, Plasma Deposition, Silicon 211 (1997) 22
Glass-forming Viscous Liquids, Supercooled Liquids 205–207 (1996) 508
Hydrogenation, Structure, X-ray Diffraction 205–207 (1996) 583
Liquid Metals, Theory, Transition Metals 205–207 (1996) 861
Magnetic Properties, Modelling 205–207 (1996) 624
Magnetic Properties, Semiconductors 205–207 (1996) 687
Magnetic Properties 205–207 (1996) 669
Mechanical Properties, Transition Metals 205–207 (1996) 500
Melting, Modelling, Thermodynamics 205–207 (1996) 216
Metal–Insulator Transition, Structure 205–207 (1996) 656
Molecular Dynamics Simulation 205–207 (1996) 875
Molten Salts, Viscosity 205–207 (1996) 650
Nanocrystalline Materials, Plasticity, Stress Measurement 205–207 (1996) 829
Raman Spectra, Short-Range Order 205–207 (1996) 189
Raman Spectra, Short-Range Order 205–207 (1996) 194
Small Angle Neutron Scattering 205–207 (1996) 645
Structure 205–207 (1996) 660
Thermodynamics 205–207 (1996) 629

Amorphous Semiconductors
Annealing Effects, Bonding, Structure 205–207 (1996) 531
Doping, Optical Properties, Silicon Alloys 210 (1997) 204
Electronic Structure, Modelling 210 (1997) 249
Photoinduced Effects, Porosity, Silicon 220 (1997) 261
Photoresponse, Silicon, Thin Films 211 (1997) 229

Amorphous Solids
Diffusion, Relaxation, Silicon 205–207 (1996) 208
EXAFS, Structure 205–207 (1996) 527
Modelling, Structure 204 (1996) 205

Anisotropy
Fibers 211 (1997) 250
Glass Ceramics, Mechanical Properties 220 (1997) 291

Annealing Effects
Alkali Silicate Glasses, Calorimetry, Crystallization 204 (1996) 1
Amorphous Semiconductors, Bonding, Structure 205–207 (1996) 531
Chalcogenide Glasses, Optical Properties, Thin Films 220 (1997) 63
Crystallization, Doping, Electric Properties, Indium tin oxide 218 (1997) 129
Differential Scanning Calorimetry, Magnetic Properties, Metallic Glasses 205–207 (1996) 692
Ion Implantation, Optical Properties 202 (1996) 194
Lasers, Silicon, Thin Film Transistors 218 (1997) 218
Magnetic Properties, Nanocrystalline Materials 205–207 (1996) 620

Anomalous X-ray Scattering
Amorphous Alloys, Structure 205–207 (1996) 721
Nanocrystalline Materials, Raman Spectra 205–207 (1996) 797

Antireflection
Coatings, Glasses, Gradient Index, Silica 218 (1997) 92

Applications
Coatings, Fabrication, Glasses, Processing Variables 218 (1997) 235
Coatings, Optical Properties, Sputtering, Titania 218 (1997) 262
Coatings, Sputtering, Vapour Phase Deposition 218 (1997) 12
Crystallization, Glass Ceramics, Solid State Reaction 219 (1997) 192
Fracture, Glass Ceramics, Thermal expansion 219 (1997) 198

Atomic Force Microscopy
Auger Electron Spectroscopy, Oxides, Surface Analysis, Surface Reactions 220 (1997) 127
Colloids, Ion Implantation, Nanocrystalline Materials 205–207 (1996) 788
Crystallization, Electron Microscopy, Glass Surface 219 (1997) 119
Fluoride Glasses 213–214 (1997) 375
Fluoride Glasses 217 (1997) 115

Auger Electron Spectroscopy
Atomic Force Microscopy, Oxides, Surface Analysis, Surface Reactions 220 (1997) 127
Bonding, Silicon Dioxide 216 (1997) 83

Band structure
Diffusion, Electrochromism, Thin Films 218 (1997) 273

Beryllium Fluoride
Neutron Diffraction, Silicates 213–214 (1997) 321

Bonding
Amorphous Semiconductors, Annealing Effects, Structure 205–207 (1996) 531
Auger Electron Spectroscopy, Silicon Dioxide 216 (1997) 83
Structure, Theory 216 (1997) 10

Borates
Electron Spin Resonance, Optical Properties 203 (1996) 172
Fluorescence Spectra, Raman Spectra, Structure 217 (1997) 278
Fluorides, Phosphates, Rare Earth Ions 213–214 (1997) 193
Glasses Containing Transition Metal Ions, Raman Spectra, Structure 210 (1997) 163
Infra-red Absorption, Raman Spectra, Structure 202 (1996) 222
Infra-red Absorption, Sol–Gel Processes 202 (1996) 198
Luminescence, Rare Earth Ions, Thermal Properties 220 (1997) 217
Modelling, Phase Separation 215 (1997) 244
Nuclear Magnetic Resonance, Phosphates, Structure 208 (1996) 217
Nuclear Magnetic Resonance, Theory 215 (1997) 236
Optical Properties, Particles 220 (1997) 210
Processing Variables, Solutions 210 (1997) 141
Raman Spectra 210 (1997) 59
Sol–Gel Method 215 (1997) 51

Boron
Fluorides, Modelling 209 (1997) 247
Processing Variables 209 (1997) 240

Borosilicates
Coatings, Glasses, Sol–Gel Processes 218 (1997) 146
Enthalpy Relaxation, Entropy, Viscosity 211 (1997) 281
Growth Kinetics, Nanocrystalline Materials, Semiconductors 219 (1997) 205
Thermodynamics 209 (1997) 292

Bubbles
Nucleation, Vaporization 205–207 (1996) 919

Calorimetry
Alkali Silicate Glasses, Annealing Effects, Crystallization 204 (1996) 1
Crystal to Amorphous Phase Transformation, Glass Transition 204 (1996) 38
Fluoride Glasses 213–214 (1997) 147
Reactions, Sol–Gel Processes 208 (1996) 99

Capacitance Methods
Defects, Silicon Dioxide 216 (1997) 180

Carbon
Electronic Structure, Monte Carlo Simulations, Structure 205–207 (1996) 846
Glass Transition, Modelling 201 (1996) 167

Catalysis
Crystallization, Impurities, Nucleation 219 (1997) 80
Organic–Inorganic Hybrids, Sol–Gel Processes 202 (1996) 279
Sol–Gel Processes 217 (1997) 48

Ceramics
Amorphous Alloys, Composites, Processing Variables, Thermoelectric Power 205–207 (1996) 742

Chalcogenides
Colloids, Optical Fibers, Surface Properties 203 (1996) 217
Conductivity, Germanium, Percolation 208 (1996) 1
Diffusion, Photoinduced Effects 202 (1996) 107
Doping, Particles, Photoinduced Effects 212 (1997) 166
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Structure 208 (1996) 21
Electron Spin Resonance, Photoinduced Effects, Thin Films 217 (1997) 121
Electronic Structure, Photoinduced Effects 210 (1997) 178
EXAFS, Structure 212 (1997) 23
Fibers, Optical Properties 213–214 (1997) 63
Hardness, Optical Properties, Thin Films, Vapour Phase Deposition 210 (1997) 261
Interfaces, Intermetallic Compounds 220 (1997) 243
Lasers, Luminescence, Relaxation 208 (1996) 29
Liquid Alloys, Liquid Semiconductors, Transport Properties – Liquids 205–207 (1996) 89
Monte Carlo Simulations, Structure, X-ray Diffraction 209 (1997) 149
Neutron Diffraction 205–207 (1996) 106
Neutron Quasielastic Scattering, Structure 202 (1996) 248
Nitridation, Oxidation Reduction 215 (1997) 301
Optical Properties, Rare Earth Ions 215 (1997) 96
Photoinduced Effects 204 (1996) 83
Photoinduced Effects 213–214 (1997) 215
Radiation Effects, Thin Films 210 (1997) 119
Raman Spectra, Two-Level System 211 (1997) 89
Sol–Gel Processes, Tungstates 220 (1997) 58
Structure 205–207 (1996) 143
X-ray Absorption 208 (1996) 36

Chalcogenide Glasses
Acoustic Properties, Defects 213–214 (1997) 168
Annealing Effects, Optical Properties, Thin Films 220 (1997) 63
Chalcogenide Glasses 213–214 (1997) 16
Chalcogenide Glasses 213–214 (1997) 55
Chemical Durability, Nitrogen-Containing Glass 220 (1997) 249
Coordination, Isotope Substitution, Neutron Diffraction 205–207 (1996) 172
Crystallization 217 (1997) 79
Defects, Semiconductors, Thin Films 201 (1996) 119
Density, Fibers, Hardness 209 (1997) 159
Fluorescence Spectra, Glasses Containing Transition Metal Ions, Rare Earth Ions 213–214 (1997) 288
Fluorescence Spectra, Rare Earth Ions 212 (1997) 151
Fluorescence Spectra, Rare Earth Ions 213–214 (1997) 295
Fluoride Glasses 213–214 (1997) 205
Glass Transition, Modelling, Oxides 210 (1997) 298
Halide Glasses, Raman Spectra, Structure 208 (1996) 49
Infra-red Absorption, Photoinduced Effects, Reflectivity 202 (1996) 113
Lasers, Processing Variables 212 (1997) 143
Lasers, Rare Earth Ions 213–214 (1997) 231
Luminescence, Rare Earth Ions 213–214 (1997) 238
Modelling, Photoinduced Effects 215 (1997) 218
Nuclear Magnetic Resonance 215 (1997) 226
Photoinduced Effects, Rutherford Backscattering 212 (1997) 157
Photoinduced Effects, Thermal Properties, Thin Films 202 (1996) 122
Rare Earth Ions 213–214 (1997) 281
Rare Earth Ions 213–214 (1997) 381
Relaxation 203 (1996) 182
Solutions 213–214 (1997) 72
Structure 213–214 (1997) 58
Structure 213–214 (1997) 68
Structure 213–214 (1997) 330

Chalcohalides
Conductivity, Nuclear Magnetic Resonance, Relaxation 211 (1997) 112
Percolation 213–214 (1997) 22
Rare Earth Ions 213–214 (1997) 304

Chemical Durability
Chalcogenide Glasses, Nitrogen-Containing Glass 220 (1997) 249
Crystallization, Glass Transition, Hardness, Oxides 212 (1997) 198

Chemical Short-Range Order
Amorphous Alloys, Diffusion, Elastic Properties, Plasticity 205–207 (1996) 696
Amorphous Alloys, EXAFS 205–207 (1996) 728

Chemical vapor deposition
Glass Surface, Strength, Tin Oxide 218 (1997) 100

Clusters
Acoustic Properties, Critical Point, Expanded Liquid Metals 205–207 (1996) 256
Crystal to Amorphous Phase Transformation, Crystallization, Relaxation 210 (1997) 171
Crystallization, Elastic Properties, Glass Surface 219 (1997) 142

Crystallization, Interfaces, Nucleation 219 (1997) 49
Crystallization, Kinetics, Nucleation 219 (1997) 1
Electronic Structure, Molecular Dynamics Simulation, Structure 205–207 (1996) 793
Melting, Molecular Dynamics Simulation, Surface Properties 205–207 (1996) 767
Microstructure, Nanocrystalline Materials, Photoinduced Effects 205–207 (1996) 807
Nucleation, Structure, Transition Metals 205–207 (1996) 781

Coatings
Alumina, Conductivity, Silica, Silicon, Tin Oxide, Titania 218 (1997) 81
Antireflection, Glasses, Gradient Index, Silica 218 (1997) 92
Applications, Fabrication, Glasses, Processing Variables 218 (1997) 235
Applications, Optical Properties, Sputtering, Titania 218 (1997) 262
Applications, Sputtering, Vapour Phase Deposition 218 (1997) 12
Borosilicates, Glasses, Sol–Gel Processes 218 (1997) 146
Colloids, Optical Properties, Sol–Gel Method 218 (1997) 373
Conductivity, Plasma Deposition, Thin Films 218 (1997) 30
Deposition Techniques, Fabrication, Sputtering 218 (1997) 35
Deposition Techniques, Fabrication, Sputtering 218 (1997) 54
Deposition Techniques, Glasses, Sol–Gel Method 218 (1997) 399
Deposition Techniques, Oxidation, Silicon, Sputtering 218 (1997) 223
Devices, Electrochromism, Nickel oxide, Thin Films, Tungsten oxide 218 (1997) 342
Emissivity, Optical Properties, Thin Films 218 (1997) 38
Experimental Techniques, Modelling, Optical Properties 218 (1997) 247
Glass Surface, Sputtering 218 (1997) 7
Glass Surface, Strength 218 (1997) 169
Glasses, Reflectivity, Thin Films 218 (1997) 1
Mechanical Properties, Sputtering, Thin Films 218 (1997) 68
Optical Properties, Polymers, Sputtering 218 (1997) 44
Optical Properties, Silica, Sol–Gel Method, Tin Oxide 218 (1997) 163
Optical Properties, Silica, Titania 218 (1997) 25
Optical Waveguide, Sol–Gel Processes 220 (1997) 202
Paint, Silica, Sol–Gel Method 218 (1997) 395
Sol–Gel Method, Solvent evaporation, Spin coating 218 (1997) 174
Sol–Gel Processes, Titania 217 (1997) 155
Thin Films, Tin Oxide, Vapour Phase Deposition 218 (1997) 179

Colloids
Atomic Force Microscopy, Ion Implantation, Nanocrystalline Materials 205–207 (1996) 788
Chalcogenides, Optical Fibers, Surface Properties 203 (1996) 217
Coatings, Optical Properties, Sol–Gel Method 218 (1997) 373
Fluorides, Optical Properties, Optical Scattering 220 (1997) 78
Growth Kinetics, Microstructure 203 (1996) 202
Infra-red Absorption, Lead Titanate, Nanocrystalline Materials, Semiconductors, Titania 205–207 (1996) 815
Melting, Microstructure 210 (1997) 95
Microstructure, Particles 203 (1996) 211
Non-linear Optics, Optical Properties 211 (1997) 143
Optical Properties, Sol–Gel Processes 201 (1996) 250

Composites
Amorphous Alloys, Ceramics, Processing Variables, Thermoelectric Power 205–207 (1996) 742
Neutron Diffraction, Structure 205–207 (1996) 821

Computer Simulation
Amorphous Alloys, Neutron Diffraction, Short-Range Order, Three-body Correlations 205–207 (1996) 888
Dynamical Structure, Inelastic Neutron Scattering, Liquid Metals 205–207 (1996) 299
Inelastic Neutron Scattering, Quasicrystals, Structure 205–207 (1996) 701
Multilayers, Optical Properties, Refractive Index 218 (1997) 368
Phosphates, Processing Variables 210 (1997) 209

Conduction Band
Liquid Metals, Nuclear Magnetic Resonance, XPS 205–207 (1996) 322
Oxynitride Glasses, Phase Separation, Reduction 217 (1997) 83

Conductivity
Alumina, Coatings, Silica, Silicon, Tin Oxide, Titania 218 (1997) 81
Amorphous Alloys, Structural Relaxation 205–207 (1996) 706
Chalcogenides, Germanium, Percolation 208 (1996) 1
Chalcohalides, Nuclear Magnetic Resonance, Relaxation 211 (1997) 112
Coatings, Plasma Deposition, Thin Films 218 (1997) 30
Critical Point, Expanded Liquid Metals, Structure 205–207 (1996) 251
Crystallization, Oxides 201 (1996) 246
Density of States, Liquid Semiconductors, Magnetic Properties 205–207 (1996) 126
Dielectric Properties, Dielectric Relaxation 211 (1997) 237

Field Effect, Modelling 202 (1996) 137
Fluoride Glasses, Ionic Conductivity 213–214 (1997) 388
Gallium Phosphide, Optical Properties, Thin Films 205–207 (1996) 176
Liquid Alloys, Liquid Semiconductors, Thermodynamics 205–207 (1996) 62
Magnetic Properties, Metallic Glasses 205–207 (1996) 612
Morphology, Sol–Gel Processes, Thin Films, Tin Oxide 218 (1997) 123

Coordination
Chalcogenide Glasses, Isotope Substitution, Neutron Diffraction 205–207 (1996) 172
Glasses Containing Transition Metal Ions, XANES 204 (1996) 53
Nuclear Magnetic Resonance, Phosphates, Silicon 211 (1997) 208
Phosphates, XANES 220 (1997) 85

Corrosion
Amorphous Alloys, Differential Scanning Calorimetry, Nanocrystalline Materials 219 (1997) 155
Defects, Glass Surface, Washing agents 218 (1997) 210
Ellipsometry, Float Glass, Surface Analysis 218 (1997) 205
Glass Surface 215 (1997) 262
Phosphates 215 (1997) 21
Surface Reactions 208 (1996) 170

Critical Point
Acoustic Properties, Clusters, Expanded Liquid Metals 205–207 (1996) 256
Conductivity, Expanded Liquid Metals, Structure 205–207 (1996) 251
Dynamical Structure, Hydrogen Effects, Localization 205–207 (1996) 282
Dynamical Structure, Hydrogen Effects, Localization 205–207 (1996) 290
Expanded Liquid Metals, Phase Diagrams 205–207 (1996) 265
Interfaces, Metal–Non-metal Transition, Reflectivity 205–207 (1996) 231
Interfaces, Metal–Non-metal Transition, Reflectivity, X-ray Diffraction 205–207 (1996) 239
Liquid Alloys, Viscosity 205–207 (1996) 408

Crystal to Amorphous Phase Transformation
Calorimetry, Glass Transition 204 (1996) 38
Clusters, Crystallization, Relaxation 210 (1997) 171

Crystallization
Aerogels, Sol–Gel Processes 215 (1997) 146
Alkali Silicate Glasses, Annealing Effects, Calorimetry 204 (1996) 1
Alkali Silicate Glasses, Liquids, Stress Measurement, Viscosity 209 (1997) 96
Alloys, Glass Formation, Plasticity 205–207 (1996) 597
Alloys, Glass Formation, Plasticity 205–207 (1996) 637
Alloys, Magnetic Properties, Metallic Glasses 204 (1996) 32
Alloys, Nucleation 208 (1996) 288
Amorphous Alloys, Diffusion, Surface Reactions 205–207 (1996) 554
Amorphous Alloys, Electrical Properties, Kinetics 211 (1997) 72
Amorphous Alloys, Glasses Containing Transition Metal Ions 208 (1996) 139
Amorphous Alloys, Small Angle X-ray Scattering, X-ray Diffraction 205–207 (1996) 540
Amorphous Alloys, Supercooled Liquids 205–207 (1996) 514
Amorphous Alloys, Surface Reactions 205–207 (1996) 563
Annealing Effects, Doping, Electric Properties, Indium tin oxide 218 (1997) 129
Applications, Glass Ceramics, Solid State Reaction 219 (1997) 192
Atomic Force Microscopy, Electron Microscopy, Glass Surface 219 (1997) 119
Catalysis, Impurities, Nucleation 219 (1997) 80
Chalcogenide Glasses 217 (1997) 79
Chemical Durability, Glass Transition, Hardness, Oxides 212 (1997) 198
Clusters, Crystal to Amorphous Phase Transformation, Relaxation 210 (1997) 171
Clusters, Elastic Properties, Glass Surface 219 (1997) 142
Clusters, Interfaces, Nucleation 219 (1997) 49
Clusters, Kinetics, Nucleation 219 (1997) 1
Conductivity, Oxides 201 (1996) 246
Crystallization 203 (1996) 369
Crystallization 203 (1996) 375
Deposition Techniques, Glasses, Indium tin oxide 218 (1997) 105
Dielectric Properties, Polymer Dynamics, Relaxation 212 (1997) 208
Differential Scanning Calorimetry, Differential Thermal Analysis, Phosphates, Thermal Properties 201 (1996) 52
Differential Scanning Calorimetry, Fluoride Glasses, Kinetics 219 (1997) 187
Differential Scanning Calorimetry, Halide Glasses 201 (1996) 47
Equilibrium, Growth Kinetics, Monte Carlo Simulations 219 (1997) 100
Fibers, Fluoride Glasses 201 (1996) 237
Fibers, Fluoride Glasses 213–214 (1997) 189
Field Effect, Thermodynamics 220 (1997) 235
Field Effect 209 (1997) 112
Fluoride Glasses, Nucleation 213–214 (1997) 79
Fluoride Glasses, Rare Earth Ions 213–214 (1997) 404
Fluoride Glasses 213–214 (1997) 101
Fluoride Glasses 213–214 (1997) 369
Glass Ceramics, Microstructure, Orientational Glasses 219 (1997) 212
Glass Formation, Nucleation, Silicates 219 (1997) 182

Glass Formation, Processing Variables 215 (1997) 140
Glass Surface, Growth Kinetics, Nucleation 219 (1997) 37
Glass Surface, Kinetics, Nucleation 219 (1997) 110
Glass Transition, Structure 210 (1997) 23
Glasses, Kinetics, Nucleation 219 (1997) 42
Grating, Nucleation 220 (1997) 222
Growth Kinetics, Nucleation, Particles 219 (1997) 89
Halide Glasses, Thermodynamics 215 (1997) 125
Impurities, Oxides 212 (1997) 55
Infra-red Absorption, Mössbauer Effect, Oxides 209 (1997) 87
Liquid Alloys, Short-Range Order, Specific Heat 205–207 (1996) 317
Liquids, Nucleation, Silicates 219 (1997) 70
Modelling, Nucleation, Phase Transition 204 (1996) 13
Modelling 202 (1996) 145
Modelling 202 (1996) 290
Modelling 211 (1997) 262
Modelling 215 (1997) 134
Nitridation, Nucleation, Oxides, Valence Band 211 (1997) 1
Nucleation, Optical Properties, Silicates 219 (1997) 57
Nucleation, Phosphates 210 (1997) 32
Nucleation, Spin coating 220 (1997) 231
Optical Properties 203 (1996) 135
Orientational Glasses, X-ray Diffraction 209 (1997) 305
Oxides, Oxynitride Glasses, Thermal Properties 211 (1997) 222
Oxynitride Glasses, Phase Separation 217 (1997) 55
Phase Separation 203 (1996) 195
Positron Annihilation, Surface Reactions 217 (1997) 72
Pressure Effects 217 (1997) 317
Raman Spectra 203 (1996) 192
Sol–Gel Precursors, Sol–Gel Processes 210 (1997) 287
Surface Reactions 203 (1996) 88
Transition Metals 204 (1996) 151

Dangling Bonds
Optical Properties 203 (1996) 127

Defects
Acoustic Properties, Chalcogenide Glasses 213–214 (1997) 168
Capacitance Methods, Silicon Dioxide 216 (1997) 180
Chalcogenide Glasses, Semiconductors, Thin Films 201 (1996) 119
Corrosion, Glass Surface, Washing agents 218 (1997) 210
Deposition Techniques, Silicon, Thin Film Transistors 204 (1996) 164
Diffusion, Germania, Oxidation Reduction, Silicates 202 (1996) 93
Electron Spin Resonance, Ion Implantation 202 (1996) 178
Fibers, Luminescence 216 (1997) 135
Fluorescence Spectra, Silicon Dioxide 216 (1997) 95
Luminescence, Silicon Dioxide 216 (1997) 99
Luminescence, Silicon Dioxide 216 (1997) 105
Modelling, Silica, Theory 211 (1997) 197
Optical Properties, Radiation Effects, Silica 212 (1997) 59
Optical Properties, Radiation Effects 217 (1997) 173
Optical Properties, Silicon Dioxide, Theory 216 (1997) 1
Photoinduced Effects, Silicon 209 (1997) 193
Silicon Dioxide, Sputtering, Thin Films 218 (1997) 62
Silicon Dioxide, Theory 217 (1997) 167

Densification
Aerogels, Modelling 212 (1997) 262
Fibers, Silica 204 (1996) 95
Halide Glasses 213–214 (1997) 141

Density
Amorphous Alloys, Elastic Properties, Structural Relaxation 205–207 (1996) 602
Chalcogenide Glasses, Fibers, Hardness 209 (1997) 159
Electrical Properties, Liquid Alloys 205–207 (1996) 338
Etching, Fictive Temperature, Pressure-Induced Structural Transformation, Silica 209 (1997) 166
Fluorides, Glass Transition, Refractive Index 213–214 (1997) 363
Hardness, Oxynitride Glasses, Polymer Solutions, Thermal expansion 217 (1997) 66
Liquid Alloys 205–207 (1996) 94
Liquid Metals, Metal–Non-metal Transition, Thermodynamics 205–207 (1996) 147
Liquid Semiconductors, Pressure-Induced Structural Transformation, X-ray Absorption 205–207 (1996) 451
Porosity, Processing Variables, Sol–Gel Processes 209 (1997) 40

Density of States
Amorphization, Electronic Structure, Interfaces 205–207 (1996) 776
Conductivity, Liquid Semiconductors, Magnetic Properties 205–207 (1996) 126

Deposition Techniques
Absorption, Optical Properties, Thin Films 218 (1997) 380
Coatings, Fabrication, Sputtering 218 (1997) 35
Coatings, Fabrication, Sputtering 218 (1997) 54
Coatings, Glasses, Sol–Gel Method 218 (1997) 399
Coatings, Oxidation, Silicon, Sputtering 218 (1997) 223
Crystallization, Glasses, Indium tin oxide 218 (1997) 105
Defects, Silicon, Thin Film Transistors 204 (1996) 164
Electrical Properties, Semiconductors, Silicon Alloys 208 (1996) 277
Heat Mirror, Optical Properties, Stress Measurement, Thin Films, Titania 218 (1997) 403

Hydrogen Effects, Silicon Alloys, Silicon Nitride, Thin Films 210 (1997) 267
Infra-red Absorption, Silicon Dioxide 216 (1997) 48
Microwave, Optical Properties, Plasma Deposition 218 (1997) 280
Plasma Deposition, Silica 212 (1997) 225

Devices
Coatings, Electrochromism, Nickel oxide, Thin Films, Tungsten oxide 218 (1997) 342
Dielectric Properties, Molecular Dynamics, Structure 205–207 (1996) 212
Electrical Properties, Silicon Dioxide 216 (1997) 185
Electrochemical Properties, Electrochromism, Sol–Gel Method 218 (1997) 185
Nitrogen-Containing Glass, Silicon Dioxide 216 (1997) 198

Dielectric Properties
Amorphous Alloys, Optical Properties, Thin Films 205–207 (1996) 180
Conductivity, Dielectric Relaxation 211 (1997) 237
Crystallization, Polymer Dynamics, Relaxation 212 (1997) 208
Devices, Molecular Dynamics, Structure 205–207 (1996) 212
Dielectric Properties 203 (1996) 109
Dielectric Relaxation, Electrical Properties and Relaxation, Modelling 210 (1997) 70
Dielectric Relaxation, Electrical Properties and Relaxation, Modelling 212 (1997) 95
Electrical Properties, Modelling, Semiconductors 209 (1997) 137
Electrical Properties and Relaxation 203 (1996) 286
Interfaces, Liquid Alloys, Surface Properties 205–207 (1996) 772
Liquid Metals, Structure, Theory 205–207 (1996) 911
Modelling 203 (1996) 37
Nuclear Magnetic Resonance, Structure 217 (1997) 99
Photoconductivity, Thin Films 216 (1997) 88
Water in Glass 203 (1996) 345

Dielectric Relaxation
Conductivity, Dielectric Properties 211 (1997) 237
Dielectric Properties, Electrical Properties and Relaxation, Modelling 210 (1997) 70
Dielectric Properties, Electrical Properties and Relaxation, Modelling 212 (1997) 95
Infra-red Absorption 203 (1996) 1
Modelling, Relaxation 215 (1997) 293
Modelling 203 (1996) 300
Relaxation 212 (1997) 89

Differential Scanning Calorimetry
Alloys, Differential Thermal Analysis, Glass-forming Viscous Liquids, Glasses Containing Transition Metal Ions 208 (1996) 127
Amorphization, Intermetallic Com - pounds, X-ray Diffraction 219 (1997) 170
Amorphous Alloys, Corrosion, Nanocrystalline Materials 219 (1997) 155
Amorphous Alloys, Magnetic Properties, Nanocrystalline Materials 205–207 (1996) 811
Amorphous Alloys, Nanocrystalline Materials, Scanning Electron Microscopy 205–207 (1996) 559
Annealing Effects, Magnetic Properties, Metallic Glasses 205–207 (1996) 692
Crystallization, Differential Thermal Analysis, Phosphates, Thermal Properties 201 (1996) 52
Crystallization, Fluoride Glasses, Kinetics 219 (1997) 187
Crystallization, Halide Glasses 201 (1996) 47
Glass Ceramics, Nucleation, X-ray Diffraction 219 (1997) 149
Infra-red Absorption, Tellurite Glasses 213–214 (1997) 164
Metallic Glasses, Short-Range Order, Structural Relaxation 205–207 (1996) 633
Porosity, Silicon 204 (1996) 169

Differential Thermal Analysis
Alloys, Differential Scanning Calorimetry, Glass-forming Viscous Liquids, Glasses Containing Transition Metal Ions 208 (1996) 127
Crystallization, Differential Scanning Calorimetry, Phosphates, Thermal Properties 201 (1996) 52
Electrochemical Properties, Glass Ceramics, Orientational Glasses 219 (1997) 136
Fluoride Glasses, Glass Ceramics, X-ray Diffraction 219 (1997) 176
Glass Ceramics, Luminescence, Nanocrystalline Materials 219 (1997) 160
Sol–Gel Processes 202 (1996) 35

Diffusion
Amorphous Alloys, Chemical Short-Range Order, Elastic Properties, Plasticity 205–207 (1996) 696
Amorphous Alloys, Crystallization, Surface Reactions 205–207 (1996) 554
Amorphous Solids, Relaxation, Silicon 205–207 (1996) 208
Band structure, Electrochromism, Thin Films 218 (1997) 273
Chalcogenides, Photoinduced Effects 202 (1996) 107
Defects, Germania, Oxidation Reduction, Silicates 202 (1996) 93
Disordered Crystals, Liquid Alloys, Nuclear Magnetic Resonance 205–207 (1996) 203
Electrical Properties, Relaxation 203 (1996) 232
Electron Spin Resonance, Ion Implantation 202 (1996) 185
Experimental Techniques, Voltammetry 215 (1997) 68
Glass Transition, Metallic Glasses, Mössbauer Effect 205–207 (1996) 476

Gradient Index, Sol–Gel Processes 211 (1997) 150
Hydrogen Effects, Theory 216 (1997) 30
Hydrogen in Glass, Mobility 209 (1997) 204
Hydrogen in Glass, Radiation Effects 216 (1997) 71
Impurities, Optical Properties 216 (1997) 26
Ion Exchange 217 (1997) 264
Liquid Metals 205–207 (1996) 412
Localization, Magnetic Properties, Quasicrystals 205–207 (1996) 21
Metallic Glasses, Phonons, Structural Relaxation 205–207 (1996) 641
Metallic Glasses 205–207 (1996) 607
Modelling, Surface Properties 217 (1997) 250
Oxides, Silicon Dioxide 216 (1997) 140
Sol–Gel Processes, Water in Glass 217 (1997) 22

Disordered Crystals
Diffusion, Liquid Alloys, Nuclear Magnetic Resonance 205–207 (1996) 203
Electrical Properties, Quasicrystals, Semiconductors 205–207 (1996) 1

Doping
Amorphous Semiconductors, Optical Properties, Silicon Alloys 210 (1997) 204
Annealing Effects, Crystallization, Electric Properties, Indium tin oxide 218 (1997) 129
Chalcogenides, Particles, Photoinduced Effects 212 (1997) 166
Electrical Properties, Magnetic Properties, Metallic Glasses 205–207 (1996) 673
Electronic Conductivity, Sputtering, Thin Films 218 (1997) 323
Luminescence, Rare Earth Ions, Silica 215 (1997) 182
Optical Properties, Silicon, Thin Films 209 (1997) 188
Phosphates, Raman Spectra 212 (1997) 173
Porosity, Sol–Gel Processes, X-ray Diffraction 217 (1997) 41

Drying
Aerogels, Freezing 212 (1997) 250
Fluorescence Spectra, Sol–Gel Processes 201 (1996) 26
Kinetics, Sol–Gel Processes 220 (1997) 52
Sol–Gel Processes 201 (1996) 150
Sol–Gel Processes 211 (1997) 49
Sol–Gel Processes 215 (1997) 155

Drying Control Additive
Sol–Gel Processes 212 (1997) 40

Dynamical Properties
Glass Transition, Liquids, Mode Coupling, Supercooled Liquids 205–207 (1996) 472
Glasses, Liquids, Modelling, Structure 205–207 (1996) 285
Modelling, Viscosity 212 (1997) 126

Dynamical Structure
Amorphous Alloys, Metallic Glasses, Neutron Inelastic Scattering 205–207 (1996) 592
Computer Simulation, Inelastic Neutron Scattering, Liquid Metals 205–207 (1996) 299
Critical Point, Hydrogen Effects, Localization 205–207 (1996) 282
Critical Point, Hydrogen Effects, Localization 205–207 (1996) 290
Liquid Metals, Metal–Insulator Transition, Molecular Dynamics 205–207 (1996) 833
Liquid Metals, Mode Coupling, Molecular Dynamics 205–207 (1996) 855
Liquid Metals, Molecular Dynamics, Structure 205–207 (1996) 914
Liquid Semiconductors, Structure 205–207 (1996) 85
Metallic Glasses, Neutron Inelastic Scattering, Specific Heat 205–207 (1996) 733
Neutron Quasielastic Scattering, Phonons, Quasicrystals 205–207 (1996) 11

Effective Potentials
Electronic Structure, Liquid Metals, Monte Carlo Simulations 205–207 (1996) 851

Elastic Properties
Alloys, Glasses Containing Transition Metal Ions, Molecular Dynamics 202 (1996) 1
Amorphous Alloys, Chemical Short-Range Order, Diffusion, Plasticity 205–207 (1996) 696
Amorphous Alloys, Density, Structural Relaxation 205–207 (1996) 602
Clusters, Crystallization, Glass Surface 219 (1997) 142
Hydrogen Effects, Sol–Gel Processes 212 (1997) 292
Mechanical Properties, Oxides, Viscosity 201 (1996) 128
Surface Reactions, Water in Glass 217 (1997) 11

Electric Properties
Annealing Effects, Crystallization, Doping, Indium tin oxide 218 (1997) 129
Hydrogen Effects, Switching 217 (1997) 106
Optical Properties, Oxides, Sol–Gel Processes, Thin Films 218 (1997) 113
Oxides, Oxynitride Glasses, Thin Films 217 (1997) 323
Relaxation 203 (1996) 293
Silicon Dioxide, Trapping 216 (1997) 174

Electrical Properties
Amorphous Alloys, Crystallization, Kinetics 211 (1997) 72
Amorphous Alloys, Glasses Containing Transition Metal Ions, Magnetic Properties 220 (1997) 147
Amorphous Alloys, Hall Coefficient, Thin Films 205–207 (1996) 665
Density, Liquid Alloys 205–207 (1996) 338
Deposition Techniques, Semiconductors, Silicon Alloys 208 (1996) 277
Devices, Silicon Dioxide 216 (1997) 185
Dielectric Properties, Modelling, Semiconductors 209 (1997) 137

Diffusion, Relaxation 203 (1996) 232
Disordered Crystals, Quasicrystals, Semiconductors 205–207 (1996) 1
Doping, Magnetic Properties, Metallic Glasses 205–207 (1996) 673
Electronic Conductivity, Lasers, Sol–Gel Method, Thin Films 218 (1997) 242
Expanded Liquid Metals, Molecular Dynamics Simulation, Structure 205–207 (1996) 893
Fictive Temperature, Water in Glass 203 (1996) 262
Fluoride Glasses 209 (1997) 122
Liquid Alloys, Thermoelectric Power 205–207 (1996) 328
Liquid Semiconductors, Metal–Nonmetal Transition, Transport Properties – Liquids 205–207 (1996) 28
Liquid Semiconductors, Neutron Diffraction, Neutron Inelastic Scattering, Neutron Quasielastic Scattering 205–207 (1996) 447
Noise, Silicon Dioxide 216 (1997) 192
Optical Properties, Silicon, Vapour Phase Deposition 204 (1996) 265
Optical Properties, Thin Films, $ZnGa_2O_4$ 218 (1997) 74
Quasicrystals, Thermal Conductivity, Thermoelectric Power 205–207 (1996) 17
Silicon Dioxide, Trapping 216 (1997) 162
Silicon Dioxide, Trapping 216 (1997) 209
Silicon Dioxide, Trapping 220 (1997) 157
Sputtering, Surface Properties, Thin Films 218 (1997) 267

Electrical Properties and Relaxation
Dielectric Properties, Dielectric Relaxation, Modelling 210 (1997) 70
Dielectric Properties, Dielectric Relaxation, Modelling 212 (1997) 95
Dielectric Properties 203 (1996) 286
Structure 212 (1997) 117

Electrochemical Properties
Alkali Silicate Glasses, Liquids, Oxidation Reduction 211 (1997) 95
Devices, Electrochromism, Sol–Gel Method 218 (1997) 185
Differential Thermal Analysis, Glass Ceramics, Orientational Glasses 219 (1997) 136
Nanocrystalline Materials, Non-linear Optics, Sol–Gel Processes 218 (1997) 151

Electrochromism
Band structure, Diffusion, Thin Films 218 (1997) 273
Coatings, Devices, Nickel oxide, Thin Films, Tungsten oxide 218 (1997) 342
Devices, Electrochemical Properties, Sol–Gel Method 218 (1997) 185
Optical Properties, Tungsten oxide, Vanadium Oxide 218 (1997) 302
Sol–Gel Processes, Tungsten oxide, Vanadium Oxide 218 (1997) 189

Electrodeposition
Alloys, Glasses Containing Transition Metal Ions 201 (1996) 102
Amorphous Alloys, Mössbauer Effect, Thin Films, X-ray Diffraction 204 (1996) 99
Ellipsometry, Optical Properties 218 (1997) 307

Electroluminescence
Luminescence, Silicon Dioxide, Thin Films 220 (1997) 69
Oxides 212 (1997) 192

Electron Microscopy
Aerogels, Gels, Piezoresistance, Thermal Properties 201 (1996) 66
Amorphous Alloys, Forming, Thermal Properties, X-ray Diffraction 202 (1996) 266
Atomic Force Microscopy, Crystallization, Glass Surface 219 (1997) 119
Electronic Conductivity, Oxides, Thin Films, Tin Oxide 218 (1997) 230
Glasses Containing Transition Metal Ions, Magnetic Properties, Particles, Thermal Properties 201 (1996) 159
Multilayers, Sputtering, X-ray Diffraction 219 (1997) 84
Nuclear Magnetic Resonance, Silica, X-ray Diffraction 211 (1997) 126
Nucleation, Scanning Electron Microscopy, X-ray Diffraction 219 (1997) 128

Electron Spin Resonance
Alkali Borate Glasses, Glasses Containing Transition Metal Ions, Optical Properties 201 (1996) 95
Alkali Borate Glasses, Glasses Containing Transition Metal Ions, Optical Properties 202 (1996) 215
Amorphous Alloys, Glasses Containing Transition Metal Ions, Hydrogenation 210 (1997) 136
Borates, Optical Properties 203 (1996) 172
Chalcogenides, Glasses Containing Transition Metal Ions, Structure 208 (1996) 21
Chalcogenides, Photoinduced Effects, Thin Films 217 (1997) 121
Defects, Ion Implantation 202 (1996) 178
Diffusion, Ion Implantation 202 (1996) 185
Fibers, Optical Properties, Photoinduced Effects 211 (1997) 158
Glasses Containing Transition Metal Ions, Mössbauer Effect, Phosphates 202 (1996) 205
Glasses Containing Transition Metal Ions, Oxides 204 (1996) 46
Infra-red Absorption, Sol–Gel Processes 217 (1997) 30
Ion Implantation, Nitrogen, Oxides 220 (1997) 109
Ion Implantation, Oxides 210 (1997) 101
Ion Implantation 203 (1996) 55

Liquid Metals, Metal–Non-metal Transition, Molten Salts 205–207 (1996) 48
Luminescence, Phosphates, Radiation Effects 202 (1996) 173
Oxides, Radiation Effects 204 (1996) 253
Sol–Gel Processes, Transition Metals 212 (1997) 299

Electronic Conductivity
Doping, Sputtering, Thin Films 218 (1997) 323
Electrical Properties, Lasers, Sol–Gel Method, Thin Films 218 (1997) 242
Electron Microscopy, Oxides, Thin Films, Tin Oxide 218 (1997) 230
Electronic Structure 203 (1996) 334
Electron–Lattice Interactions, Glasses Containing Transition Metal Ions, Ionic Conductivity, Ionic Conductivity Relaxation 212 (1997) 1
Field Effect 203 (1996) 280
Infra-red Absorption 203 (1996) 312
Transition Metals 203 (1996) 353

Electronic Structure
Amorphization, Density of States, Interfaces 205–207 (1996) 776
Amorphous Alloys, Local Environment, Theory 205–207 (1996) 841
Amorphous Alloys, X-ray Emission 205–207 (1996) 587
Amorphous Semiconductors, Modelling 210 (1997) 249
Carbon, Monte Carlo Simulations, Structure 205–207 (1996) 846
Chalcogenides, Photoinduced Effects 210 (1997) 178
Clusters, Molecular Dynamics Simulation, Structure 205–207 (1996) 793
Effective Potentials, Liquid Metals, Monte Carlo Simulations 205–207 (1996) 851
Electronic Conductivity 203 (1996) 334
Liquid Semiconductors, Molecular Dynamics Simulation, Structure 205–207 (1996) 79
Localization, Metal–Insulator Transition, Theory 205–207 (1996) 32
Structure 205–207 (1996) 871

Electron–Lattice Interactions
Electronic Conductivity, Glasses Containing Transition Metal Ions, Ionic Conductivity, Ionic Conductivity Relaxation 212 (1997) 1

Ellipsometry
Corrosion, Float Glass, Surface Analysis 218 (1997) 205
Electrodeposition, Optical Properties 218 (1997) 307
Optical Properties 203 (1996) 102
Silicon Dioxide, Thin Films 216 (1997) 77

Emissivity
Coatings, Optical Properties, Thin Films 218 (1997) 38

Enthalpy
Fermi Level, Liquid Alloys, Thermodynamics 205–207 (1996) 312
Liquid Alloys, Thermodynamics 205–207 (1996) 711

Enthalpy Relaxation
Borosilicates, Entropy, Viscosity 211 (1997) 281

Entropy
Borosilicates, Enthalpy Relaxation, Viscosity 211 (1997) 281

Equilibrium
Crystallization, Growth Kinetics, Monte Carlo Simulations 219 (1997) 100

Etching
Density, Fictive Temperature, Pressure-Induced Structural Transformation, Silica 209 (1997) 166

EXAFS
Amorphous Alloys, Chemical Short-Range Order 205–207 (1996) 728
Amorphous Alloys, Raman Spectra, Short-Range Order 205–207 (1996) 184
Amorphous Solids, Structure 205–207 (1996) 527
Chalcogenides, Structure 212 (1997) 23
Fluoride Glasses, Structure 213–214 (1997) 358
Glasses Containing Transition Metal Ions, Magnetic Properties, Polymers, XANES 212 (1997) 11
Glasses Containing Transition Metal Ions, Silicates, Structure, XANES 201 (1996) 81
Infra-red Absorption, Ion Exchange, Oxides 220 (1997) 30
Liquid Alloys, Thermoelectric Power, Transport Properties – Liquids 205–207 (1996) 43
Liquid Metals, Structure 205–207 (1996) 304
Liquids, Neutron Diffraction, Structure 205–207 (1996) 155
Modelling 210 (1997) 275
Oxides, Sol–Gel Processes, XANES, X-ray Diffraction 204 (1996) 65
Oxides, Structure, Thermal Properties, XANES 211 (1997) 214
Pressure Effects 205–207 (1996) 199
Processing Variables, Sol–Gel Processes 220 (1997) 45
Silicates, Structure, X-ray Diffraction 211 (1997) 56
Sol–Gel Processes, Solutions 217 (1997) 162

Excitons
Ion Irradiation, Luminescence 216 (1997) 36

Expanded Liquid Metals
Acoustic Properties, Clusters, Critical Point 205–207 (1996) 256

Conductivity, Critical Point, Structure 205–207 (1996) 251
Critical Point, Phase Diagrams 205–207 (1996) 265
Electrical Properties, Molecular Dynamics Simulation, Structure 205–207 (1996) 893
Liquid Metals, Molecular Dynamics, Structure 205–207 (1996) 278
Liquid Semiconductors, Modelling, Neutron Diffraction 205–207 (1996) 66
Metal–Non-metal Transition, Thermal expansion 205–207 (1996) 270
Metal–Non-metal Transition 205–207 (1996) 274
Pressure Effects, Structure, X-ray Diffraction 205–207 (1996) 295
Pressure Effects, Thermodynamics 205–207 (1996) 459
Small Angle X-ray Scattering, X-ray Diffraction 205–207 (1996) 261
Structure 205–207 (1996) 57

Expanded Liquids
Metal–Non-metal Transition, Structure, Vapour Phase 205–207 (1996) 247

Experimental Techniques
Coatings, Modelling, Optical Properties 218 (1997) 247
Diffusion, Voltammetry 215 (1997) 68
Liquid Metals, Melting, Time-Resolved Spectroscopy 205–207 (1996) 490

Fabrication
Applications, Coatings, Glasses, Processing Variables 218 (1997) 235
Coatings, Deposition Techniques, Sputtering 218 (1997) 35
Coatings, Deposition Techniques, Sputtering 218 (1997) 54
Fibers 213–214 (1997) 90
Monte Carlo Simulations, Silicon, Solar Cells, Sol–Gel Method 218 (1997) 391

Fermi Level
Enthalpy, Liquid Alloys, Thermodynamics 205–207 (1996) 312

Fibers
Anisotropy 211 (1997) 250
Chalcogenides, Optical Properties 213–214 (1997) 63
Chalcogenide Glasses, Density, Hardness 209 (1997) 159
Crystallization, Fluoride Glasses 201 (1996) 237
Crystallization, Fluoride Glasses 213–214 (1997) 189
Defects, Luminescence 216 (1997) 135
Densification, Silica 204 (1996) 95
Electron Spin Resonance, Optical Properties, Photoinduced Effects 211 (1997) 158
Fabrication 213–214 (1997) 90
Fictive Temperature, Infra-red Absorption 217 (1997) 272
Fluoride Glasses 213–214 (1997) 11
Fluoride Glasses 213–214 (1997) 121
Light Scattering, Phosphates 215 (1997) 11
Phase Separation, Thermal Properties 201 (1996) 267
Phase Separation, Thermal Properties 201 (1996) 272
Processing Variables, Refractive Index 220 (1997) 299
Radiation Effects, Silicon Dioxide 216 (1997) 124
Radiation Effects, Silicon Dioxide 216 (1997) 129

Fictive Temperature
Density, Etching, Pressure-Induced Structural Transformation, Silica 209 (1997) 166
Electrical Properties, Water in Glass 203 (1996) 262
Fibers, Infra-red Absorption 217 (1997) 272
Infra-red Absorption, Optical Scattering, Raman Spectra, Silica 220 (1997) 178
Raman Spectra, Silicon Dioxide 216 (1997) 111

Field Effect
Conductivity, Modelling 202 (1996) 137
Crystallization, Thermodynamics 220 (1997) 235
Crystallization 209 (1997) 112
Electronic Conductivity 203 (1996) 280

First Sharp Diffraction Peak
Phosphates, Structure, X-ray Diffraction 217 (1997) 299

Float Glass
Corrosion, Ellipsometry, Surface Analysis 218 (1997) 205

Fluorescence Spectra
Alkali Borate Glasses, Rare Earth Ions 217 (1997) 291
Borates, Raman Spectra, Structure 217 (1997) 278
Chalcogenide Glasses, Glasses Containing Transition Metal Ions, Rare Earth Ions 213–214 (1997) 288
Chalcogenide Glasses, Rare Earth Ions 212 (1997) 151
Chalcogenide Glasses, Rare Earth Ions 213–214 (1997) 295
Defects, Silicon Dioxide 216 (1997) 95
Drying, Sol–Gel Processes 201 (1996) 26
Fluorides, Rare Earth Ions 210 (1997) 243
Fluorides, Rare Earth Ions 213–214 (1997) 266
Germanates, Phonons, Rare Earth Ions 217 (1997) 111
Glasses Containing Transition Metal Ions, Rare Earth Ions, Sol–Gel Processes 202 (1996) 16
Halide Glasses, Lasers, Rare Earth Ions 201 (1996) 37
Halide Glasses, Rare Earth Ions 202 (1996) 297
Luminescence 203 (1996) 120
Organic–Inorganic Hybrids, Time-Resolved Spectroscopy 220 (1997) 316

Fluorides
Aerogels, Structure 204 (1996) 172
Borates, Phosphates, Rare Earth Ions 213–214 (1997) 193
Boron, Modelling 209 (1997) 247
Colloids, Optical Properties, Optical Scattering 220 (1997) 78

Density, Glass Transition, Refractive Index 213–214 (1997) 363
Fluorescence Spectra, Rare Earth Ions 210 (1997) 243
Fluorescence Spectra, Rare Earth Ions 213–214 (1997) 266
Fluorides 213–214 (1997) 113
Magnetic Properties, Optical Properties, Rare Earth Ions 204 (1996) 178
Phosphates, Rare Earth Ions 213–214 (1997) 245
Rare Earth Ions, Sol–Gel Processes, Zirconia 202 (1996) 23
Sol–Gel Method, Sol–Gel Processes 213–214 (1997) 126
Stability 208 (1996) 282
Thermal Properties 204 (1996) 260

Fluoride Glasses
Atomic Force Microscopy 213–214 (1997) 375
Atomic Force Microscopy 217 (1997) 115
Calorimetry 213–214 (1997) 147
Chalcogenide Glasses 213–214 (1997) 205
Conductivity, Ionic Conductivity 213–214 (1997) 388
Crystallization, Differential Scanning Calorimetry, Kinetics 219 (1997) 187
Crystallization, Fibers 201 (1996) 237
Crystallization, Fibers 213–214 (1997) 189
Crystallization, Nucleation 213–214 (1997) 79
Crystallization, Rare Earth Ions 213–214 (1997) 404
Crystallization 213–214 (1997) 101
Crystallization 213–214 (1997) 369
Differential Thermal Analysis, Glass Ceramics, X-ray Diffraction 219 (1997) 176
Electrical Properties 209 (1997) 122
EXAFS, Structure 213–214 (1997) 358
Fibers 213–214 (1997) 11
Fibers 213–214 (1997) 121
Fluoride Glasses 213–214 (1997) 1
Fluoride Glasses 213–214 (1997) 6
Fluoride Glasses 213–214 (1997) 36
Fluoride Glasses 213–214 (1997) 40
Fluoride Glasses 213–214 (1997) 44
Fluoride Glasses 213–214 (1997) 49
Fluoride Glasses 213–214 (1997) 116
Fluoride Glasses 213–214 (1997) 137
Fluoride Glasses 213–214 (1997) 152
Fluoride Glasses 213–214 (1997) 353
Halide Glasses 213–214 (1997) 30
Lasers, Neutron Brillouin Scattering 213–214 (1997) 271
Lasers, Rare Earth Ions 213–214 (1997) 158
Lasers, Rare Earth Ions 213–214 (1997) 276
Lasers, Rare Earth Ions 213–214 (1997) 393
Molecular Dynamics, Structure 213–214 (1997) 398
Non-linear Optics, Rare Earth Ions 213–214 (1997) 225
Optical Properties, Oxides 204 (1996) 196
Optical Properties, Processing Variables 213–214 (1997) 95
Raman Spectra 204 (1996) 188
Rare Earth Ions 213–214 (1997) 179
Rare Earth Ions 213–214 (1997) 199
Rare Earth Ions 213–214 (1997) 251
Rare Earth Ions 213–214 (1997) 256
Rare Earth Ions 213–214 (1997) 261
Rare Earth Ions 213–214 (1997) 311
Rare Earth Ions 213–214 (1997) 315
Reflectivity 213–214 (1997) 184
Rheology 213–214 (1997) 325
Stress Relaxation 213–214 (1997) 336
Structure 213–214 (1997) 341
Vaporization 213–214 (1997) 85

Forming
Amorphous Alloys, Electron Microscopy, Thermal Properties, X-ray Diffraction 202 (1996) 266
Mössbauer Effect, Oxygen Diffusivity 211 (1997) 164

Fracture
Applications, Glass Ceramics, Thermal expansion 219 (1997) 198

Fragility
Modelling, Relaxation 220 (1997) 93

Freezing
Aerogels, Drying 212 (1997) 250

Gallium Phosphide
Conductivity, Optical Properties, Thin Films 205–207 (1996) 176

Gels
Acoustic Properties, Aerogels 211 (1997) 132
Aerogels, Electron Microscopy, Piezoresistance, Thermal Properties 201 (1996) 66
Glass Formation, Infra-red Absorption, Raman Spectra 210 (1997) 254
Kinetics, Microstructure, Nucleation 219 (1997) 17

Germanates
Fluorescence Spectra, Phonons, Rare Earth Ions 217 (1997) 111
Mixed-Alkali Effect, Nuclear Magnetic Resonance 215 (1997) 32

Germania
Aerogels, Silica 220 (1997) 102
Defects, Diffusion, Oxidation Reduction, Silicates 202 (1996) 93
Luminescence, Silicon Dioxide 216 (1997) 19

Germanium
Alloys, Silicon, Small Angle X-ray Scattering 209 (1997) 175
Amorphous Alloys, Plasma Deposition, Silicon 211 (1997) 22
Chalcogenides, Conductivity, Percolation 208 (1996) 1
Liquid Metals, Transport Properties – Liquids 201 (1996) 172

Glass Ceramics
Anisotropy, Mechanical Properties 220 (1997) 291
Applications, Crystallization, Solid State Reaction 219 (1997) 192
Applications, Fracture, Thermal expansion 219 (1997) 198
Crystallization, Microstructure, Orientational Glasses 219 (1997) 212
Differential Scanning Calorimetry, Nucleation, X-ray Diffraction 219 (1997) 149
Differential Thermal Analysis, Electrochemical Properties, Orientational Glasses 219 (1997) 136
Differential Thermal Analysis, Fluoride Glasses, X-ray Diffraction 219 (1997) 176
Differential Thermal Analysis, Luminescence, Nanocrystalline Materials 219 (1997) 160
Glass Formation, Glass Transition, Oxides 204 (1996) 135
Mechanical Properties, Microstructure, Nanocrystalline Materials 219 (1997) 219
Non-linear Optics, Oxides 208 (1996) 303

Glass Formation
Alloys, Crystallization, Plasticity 205–207 (1996) 597
Alloys, Crystallization, Plasticity 205–207 (1996) 637
Crystallization, Nucleation, Silicates 219 (1997) 182
Crystallization, Processing Variables 215 (1997) 140
Gels, Infra-red Absorption, Raman Spectra 210 (1997) 254
Glass Ceramics, Glass Transition, Oxides 204 (1996) 135
Glass Transition 202 (1996) 164
Metallic Glasses, Structure, Topological Short-Range Order 205–207 (1996) 575
Metallic Glasses, Surface Reactions 215 (1997) 283
Modelling 201 (1996) 256
Phosphates, Transition Metals 204 (1996) 141

Glass-forming Viscous Liquids
Alloys, Differential Scanning Calorimetry, Differential Thermal Analysis, Glasses Containing Transition Metal Ions 208 (1996) 127
Amorphous Alloys, Supercooled Liquids 205–207 (1996) 508

Glass Surface
Atomic Force Microscopy, Crystallization, Electron Microscopy 219 (1997) 119
Chemical vapor deposition, Strength, Tin Oxide 218 (1997) 100
Clusters, Crystallization, Elastic Properties 219 (1997) 142
Coatings, Sputtering 218 (1997) 7
Coatings, Strength 218 (1997) 169
Corrosion, Defects, Washing agents 218 (1997) 210
Corrosion 215 (1997) 262
Crystallization, Growth Kinetics, Nucleation 219 (1997) 37
Crystallization, Kinetics, Nucleation 219 (1997) 110
Interfaces, Light Scattering, Optical Properties, Tails 218 (1997) 335
Secondary Ion Mass Spectroscopy, Surface Analysis, Time-of-Flight 218 (1997) 196
Surface Analysis, Tin Oxide 212 (1997) 232

Glass Transition
Alkali Silicate Glasses, Optical Properties, Structural Relaxation 204 (1996) 282
Alloys, Hardness, Nanocrystalline Materials, Quenching 205–207 (1996) 522
Calorimetry, Crystal to Amorphous Phase Transformation 204 (1996) 38
Carbon, Modelling 201 (1996) 167
Chalcogenide Glasses, Modelling, Oxides 210 (1997) 298
Chemical Durability, Crystallization, Hardness, Oxides 212 (1997) 198
Crystallization, Structure 210 (1997) 23
Density, Fluorides, Refractive Index 213–214 (1997) 363
Diffusion, Metallic Glasses, Mössbauer Effect 205–207 (1996) 476
Dynamical Properties, Liquids, Mode Coupling, Supercooled Liquids 205–207 (1996) 472
Glass Ceramics, Glass Formation, Oxides 204 (1996) 135
Glass Formation 202 (1996) 164
Kinetics, Specific Heat, Viscosity 205–207 (1996) 480
Kinetics 215 (1997) 313
Liquids, Phase Transition, Theory 212 (1997) 80
Mechanical Properties, Organic–In - organic Hybrids, Zirconia 211 (1997) 105
Mechanical Properties, Oxynitride Glasses, Thermal expansion 208 (1996) 162
Metallic Glasses, Nucleation, Supercooled Liquids 219 (1997) 75
Modelling, Relaxation 212 (1997) 74
Modelling, Relaxation 212 (1997) 77
Molecular Dynamics Simulation, Supercooled Liquids, Thermodynamics 205–207 (1996) 463
Monte Carlo Simulations, Polymer Melt 201 (1996) 199
Optical Scattering 203 (1996) 186
Structure, Thermal Properties, X-ray Diffraction 205–207 (1996) 221

Glasses
Antireflection, Coatings, Gradient Index, Silica 218 (1997) 92
Applications, Coatings, Fabrication, Processing Variables 218 (1997) 235
Borosilicates, Coatings, Sol–Gel Processes 218 (1997) 146
Coatings, Deposition Techniques, Sol–Gel Method 218 (1997) 399
Coatings, Reflectivity, Thin Films 218 (1997) 1

Crystallization, Deposition Techniques, Indium tin oxide 218 (1997) 105
Crystallization, Kinetics, Nucleation 219 (1997) 42
Dynamical Properties, Liquids, Modelling, Structure 205–207 (1996) 285
Lasers, Radiation Effects, Rare Earth Ions 219 (1997) 165
Liquid Crystal Displays, Thin Films 218 (1997) 360
Liquids, Oxidation Reduction 202 (1996) 241
Melting, Raman Spectra, Silicates 205–207 (1996) 225
Nucleation, Silicates, Water in Glass 219 (1997) 62
Nucleation, Thermal Properties 205–207 (1996) 546
Silicon, Solar Cells, Thin Films 218 (1997) 388

Glasses Containing Transition Metal Ions
Absorption, Optical Properties, Oxides 220 (1997) 139
Alkali Borate Glasses, Electron Spin Resonance, Optical Properties 201 (1996) 95
Alkali Borate Glasses, Electron Spin Resonance, Optical Properties 202 (1996) 215
Alkali Silicate Glasses, XPS 215 (1997) 271
Alloys, Differential Scanning Calorimetry, Differential Thermal Analysis, Glass-forming Viscous Liquids 208 (1996) 127
Alloys, Elastic Properties, Molecular Dynamics 202 (1996) 1
Alloys, Electrodeposition 201 (1996) 102
Amorphous Alloys, Crystallization 208 (1996) 139
Amorphous Alloys, Electrical Properties, Magnetic Properties 220 (1997) 147
Amorphous Alloys, Electron Spin Resonance, Hydrogenation 210 (1997) 136
Borates, Raman Spectra, Structure 210 (1997) 163
Chalcogenides, Electron Spin Resonance, Structure 208 (1996) 21
Chalcogenide Glasses, Fluorescence Spectra, Rare Earth Ions 213–214 (1997) 288
Coordination, XANES 204 (1996) 53
Electron Microscopy, Magnetic Properties, Particles, Thermal Properties 201 (1996) 159
Electron Spin Resonance, Mössbauer Effect, Phosphates 202 (1996) 205
Electron Spin Resonance, Oxides 204 (1996) 46
Electronic Conductivity, Electron–Lattice Interactions, Ionic Conductivity, Ionic Conductivity Relaxation 212 (1997) 1
EXAFS, Magnetic Properties, Polymers, XANES 212 (1997) 11
EXAFS, Silicates, Structure, XANES 201 (1996) 81
Fluorescence Spectra, Rare Earth Ions, Sol–Gel Processes 202 (1996) 16
Hardness, Mechanical Properties, Oxides, Ultrasonic Relaxation 215 (1997) 75
Optical Properties, Polymers 217 (1997) 189
Silicates, Surface Analysis, XPS 208 (1996) 267

Gradient Index
Antireflection, Coatings, Glasses, Silica 218 (1997) 92
Diffusion, Sol–Gel Processes 211 (1997) 150

Grating
Crystallization, Nucleation 220 (1997) 222

Growth Kinetics
Borosilicates, Nanocrystalline Materials, Semiconductors 219 (1997) 205
Colloids, Microstructure 203 (1996) 202
Crystallization, Equilibrium, Monte Carlo Simulations 219 (1997) 100
Crystallization, Glass Surface, Nucleation 219 (1997) 37
Crystallization, Nucleation, Particles 219 (1997) 89

Halide Glasses
Chalcogenide Glasses, Raman Spectra, Structure 208 (1996) 49
Crystallization, Differential Scanning Calorimetry 201 (1996) 47
Crystallization, Thermodynamics 215 (1997) 125
Densification 213–214 (1997) 141
Fluorescence Spectra, Lasers, Rare Earth Ions 201 (1996) 37
Fluorescence Spectra, Rare Earth Ions 202 (1996) 297
Fluoride Glasses 213–214 (1997) 30
Heat Capacity 213–214 (1997) 409
Nuclear Magnetic Resonance, Thermal Properties 213–214 (1997) 345
Structure, Thermodynamics 215 (1997) 113
Viscosity 203 (1996) 364
Viscosity 213–214 (1997) 106

Hall Coefficient
Amorphous Alloys, Electrical Properties, Thin Films 205–207 (1996) 665

Hardness
Alloys, Glass Transition, Nanocrystalline Materials, Quenching 205–207 (1996) 522
Chalcogenides, Optical Properties, Thin Films, Vapour Phase Deposition 210 (1997) 261
Chalcogenide Glasses, Density, Fibers 209 (1997) 159
Chemical Durability, Crystallization, Glass Transition, Oxides 212 (1997) 198
Density, Oxynitride Glasses, Polymer Solutions, Thermal expansion 217 (1997) 66
Glasses Containing Transition Metal Ions, Mechanical Properties, Oxides, Ultrasonic Relaxation 215 (1997) 75

Heat Capacity
Halide Glasses 213–214 (1997) 409
Heat Capacity 205–207 (1996) 494
Mechanical Relaxation 203 (1996) 12
Silicates, Thermal Properties, Thermodynamics 211 (1997) 271

Heat Mirror
Deposition Techniques, Optical Properties, Stress Measurement, Thin Films, Titania 218 (1997) 403

Hydrogen Effects
Critical Point, Dynamical Structure, Localization 205–207 (1996) 282
Critical Point, Dynamical Structure, Localization 205–207 (1996) 290
Deposition Techniques, Silicon Alloys, Silicon Nitride, Thin Films 210 (1997) 267
Diffusion, Theory 216 (1997) 30
Elastic Properties, Sol–Gel Processes 212 (1997) 292
Electric Properties, Switching 217 (1997) 106
Monte Carlo Simulations, Silicon, Time-of-Flight 220 (1997) 254
Plasma Deposition, Silicon Alloys 202 (1996) 81

Hydrogen in Glass
Diffusion, Mobility 209 (1997) 204
Diffusion, Radiation Effects 216 (1997) 71
Infra-red Absorption, Silica, Water in Glass 201 (1996) 177
Ionic Conductivity, Silicon Dioxide 216 (1997) 116
Permeability, Silicon Dioxide 216 (1997) 65

Hydrogenation
Amorphous Alloys, Electron Spin Resonance, Glasses Containing Transition Metal Ions 210 (1997) 136
Amorphous Alloys, Structure, X-ray Diffraction 205–207 (1996) 583
Raman Spectra, Silicon, Vapour Phase Deposition 211 (1997) 173

Ice
Internal Friction, Mechanical Properties, Thin Films 208 (1996) 151

Impurities
Catalysis, Crystallization, Nucleation 219 (1997) 80
Crystallization, Oxides 212 (1997) 55
Diffusion, Optical Properties 216 (1997) 26

Inelastic Neutron Scattering
Computer Simulation, Dynamical Structure, Liquid Metals 205–207 (1996) 299
Computer Simulation, Quasicrystals, Structure 205–207 (1996) 701
Liquid Metals 205–207 (1996) 370

Indium tin oxide
Annealing Effects, Crystallization, Doping, Electric Properties 218 (1997) 129
Crystallization, Deposition Techniques, Glasses 218 (1997) 105
Microwave, Sputtering 218 (1997) 329

Infra-red Absorption
Aerogels, Surface Reactions 212 (1997) 243
Alumina, Raman Spectra, Sol–Gel Processes 210 (1997) 1
Borates, Raman Spectra, Structure 202 (1996) 222
Borates, Sol–Gel Processes 202 (1996) 198
Chalcogenide Glasses, Photoinduced Effects, Reflectivity 202 (1996) 113
Colloids, Lead Titanate, Nanocrystalline Materials, Semiconductors, Titania 205–207 (1996) 815
Crystallization, Mössbauer Effect, Oxides 209 (1997) 87
Deposition Techniques, Silicon Dioxide 216 (1997) 48
Dielectric Relaxation 203 (1996) 1
Differential Scanning Calorimetry, Tellurite Glasses 213–214 (1997) 164
Electron Spin Resonance, Sol–Gel Processes 217 (1997) 30
Electronic Conductivity 203 (1996) 312
EXAFS, Ion Exchange, Oxides 220 (1997) 30
Fibers, Fictive Temperature 217 (1997) 272
Fictive Temperature, Optical Scattering, Raman Spectra, Silica 220 (1997) 178
Gels, Glass Formation, Raman Spectra 210 (1997) 254
Hydrogen in Glass, Silica, Water in Glass 201 (1996) 177
Infra-red Absorption 203 (1996) 165
Ion Implantation, Radiation Effects, Raman Spectra, Silicon Carbide 220 (1997) 187
Modelling, Molecular Dynamics Simulation 217 (1997) 236
Modelling, Raman Spectra 211 (1997) 77
Non-linear Optics, XPS 215 (1997) 61
Nuclear Magnetic Resonance, Oxides, Structure 202 (1996) 61
Organic–Inorganic Hybrids, Processing Variables 210 (1997) 187
Oxides, Raman Spectra 202 (1996) 233
Oxides, Silicon Dioxide 216 (1997) 55
Phosphates, Raman Spectra, Structure 209 (1997) 209
Phosphates, Raman Spectra 209 (1997) 227
Plasma Deposition, Silicon Carbide, Thin Films 201 (1996) 110
Pressure-Induced Structural Transformation, Sol–Gel Processes 220 (1997) 195
Water in Glass 203 (1996) 27
Water in Glass 203 (1996) 159

Interfaces
Amorphization, Density of States, Electronic Structure 205–207 (1996) 776
Chalcogenides, Intermetallic Compounds 220 (1997) 243
Clusters, Crystallization, Nucleation 219 (1997) 49
Critical Point, Metal–Non-metal Transition, Reflectivity 205–207 (1996) 231
Critical Point, Metal–Non-metal Transition, Reflectivity, X-ray Diffraction 205–207 (1996) 239
Dielectric Properties, Liquid Alloys, Surface Properties 205–207 (1996) 772
Glass Surface, Light Scattering, Optical Properties, Tails 218 (1997) 335

Ion Exchange, Refractive Index, Thin Films 218 (1997) 286
Liquid Alloys, Liquid Metals, Structure, Surface Properties 205–207 (1996) 755
Liquid Metals, Reflectivity, Surface Properties 205–207 (1996) 762

Intermetallic Compounds
Amorphization, Differential Scanning Calorimetry, X-ray Diffraction 219 (1997) 170
Chalcogenides, Interfaces 220 (1997) 243

Internal Friction
Ice, Mechanical Properties, Thin Films 208 (1996) 151

Ion Exchange
Diffusion 217 (1997) 264
EXAFS, Infra-red Absorption, Oxides 220 (1997) 30
Interfaces, Refractive Index, Thin Films 218 (1997) 286
Structure 203 (1996) 268

Ion Implantation
Annealing Effects, Optical Properties 202 (1996) 194
Atomic Force Microscopy, Colloids, Nanocrystalline Materials 205–207 (1996) 788
Defects, Electron Spin Resonance 202 (1996) 178
Diffusion, Electron Spin Resonance 202 (1996) 185
Electron Spin Resonance, Nitrogen, Oxides 220 (1997) 109
Electron Spin Resonance, Oxides 210 (1997) 101
Electron Spin Resonance 203 (1996) 55
Infra-red Absorption, Radiation Effects, Raman Spectra, Silicon Carbide 220 (1997) 187
Ion Irradiation, Optical Properties 204 (1996) 273
Luminescence 203 (1996) 62
Optical Properties 203 (1996) 114

Ion Irradiation
Alloys, Amorphization 217 (1997) 308
Alloys, Multilayers, Thin Films 211 (1997) 180
Excitons, Luminescence 216 (1997) 36
Ion Implantation, Optical Properties 204 (1996) 273

Ion plating
Oxides, Stress Measurement, Thin Films 218 (1997) 256

Ionic Conductivity
Conductivity, Fluoride Glasses 213–214 (1997) 388
Electronic Conductivity, Electron–Lattice Interactions, Glasses Containing Transition Metal Ions, Ionic Conductivity Relaxation 212 (1997) 1
Hydrogen in Glass, Silicon Dioxide 216 (1997) 116
Ionic Conductivity Relaxation, Phosphates 220 (1997) 280

Ionic Conductivity Relaxation
Electronic Conductivity, Electron–Lattice Interactions, Glasses Containing Transition Metal Ions, Ionic Conductivity 212 (1997) 1
Ionic Conductivity, Phosphates 220 (1997) 280
Nuclear Magnetic Resonance, Relaxation, Silicates 212 (1997) 215
Relaxation 203 (1996) 246

Isotope Substitution
Chalcogenide Glasses, Coordination, Neutron Diffraction 205–207 (1996) 172

Kinetics
Amorphous Alloys, Crystallization, Electrical Properties 211 (1997) 72
Clusters, Crystallization, Nucleation 219 (1997) 1
Crystallization, Differential Scanning Calorimetry, Fluoride Glasses 219 (1997) 187
Crystallization, Glass Surface, Nucleation 219 (1997) 110
Crystallization, Glasses, Nucleation 219 (1997) 42
Drying, Sol–Gel Processes 220 (1997) 52
Gels, Microstructure, Nucleation 219 (1997) 17
Glass Transition, Specific Heat, Viscosity 205–207 (1996) 480
Glass Transition 215 (1997) 313
Modelling, Relaxation, Stress Relaxation 209 (1997) 257
Nucleation, Structure, Theory 205–207 (1996) 550
Silica, Structural Relaxation, Surface Properties 209 (1997) 264

Lasers
Annealing Effects, Silicon, Thin Film Transistors 218 (1997) 218
Chalcogenides, Luminescence, Relaxation 208 (1996) 29
Chalcogenide Glasses, Processing Variables 212 (1997) 143
Chalcogenide Glasses, Rare Earth Ions 213–214 (1997) 231
Electrical Properties, Electronic Conductivity, Sol–Gel Method, Thin Films 218 (1997) 242
Fluorescence Spectra, Halide Glasses, Rare Earth Ions 201 (1996) 37
Fluoride Glasses, Neutron Brillouin Scattering 213–214 (1997) 271
Fluoride Glasses, Rare Earth Ions 213–214 (1997) 158
Fluoride Glasses, Rare Earth Ions 213–214 (1997) 276
Fluoride Glasses, Rare Earth Ions 213–214 (1997) 393
Glasses, Radiation Effects, Rare Earth Ions 219 (1997) 165
Optical Properties, Photoinduced Effects, Rare Earth Ions 213–214 (1997) 174
Optical Properties, Photoinduced Effects, Sol–Gel Processes 217 (1997) 136
Optical Properties 212 (1997) 85
Silicon, Silicon Carbide 202 (1996) 77
Structure 205–207 (1996) 115

Lead Titanate
Colloids, Infra-red Absorption, Nanocrystalline Materials, Semiconductors, Titania 205–207 (1996) 815

Light Scattering
Fibers, Phosphates 215 (1997) 11
Glass Surface, Interfaces, Optical Properties, Tails 218 (1997) 335
Modelling, Nanocrystalline Materials 218 (1997) 317
Modelling, Raman Spectra, Tunneling 208 (1996) 81

Liquid Alloys
Chalcogenides, Liquid Semiconductors, Transport Properties – Liquids 205–207 (1996) 89
Conductivity, Liquid Semiconductors, Thermodynamics 205–207 (1996) 62
Critical Point, Viscosity 205–207 (1996) 408
Crystallization, Short-Range Order, Specific Heat 205–207 (1996) 317
Density, Electrical Properties 205–207 (1996) 338
Density 205–207 (1996) 94
Dielectric Properties, Interfaces, Surface Properties 205–207 (1996) 772
Diffusion, Disordered Crystals, Nuclear Magnetic Resonance 205–207 (1996) 203
Electrical Properties, Thermoelectric Power 205–207 (1996) 328
Enthalpy, Fermi Level, Thermodynamics 205–207 (1996) 312
Enthalpy, Thermodynamics 205–207 (1996) 711
EXAFS, Thermoelectric Power, Transport Properties – Liquids 205–207 (1996) 43
Interfaces, Liquid Metals, Structure, Surface Properties 205–207 (1996) 755
Liquid Alloys 205–207 (1996) 430
Liquid Semiconductors, Melting, Neutron Diffraction 205–207 (1996) 75
Magnetic Properties, Thermoelectric Power, Transport Properties – Liquids 205–207 (1996) 102
Magnetic Properties 205–207 (1996) 357
Molecular Dynamics Simulation, Neutron Diffraction, Structure 205–207 (1996) 866
Molecular Dynamics Simulation, Neutron Diffraction, Structure 205–207 (1996) 901
Molecular Dynamics Simulation, Neutron Diffraction, Structure 205–207 (1996) 907
Monte Carlo Simulations, Neutron Diffraction, Structure 205–207 (1996) 71
Neutron Diffraction, Structure, Theory 205–207 (1996) 443
Neutron Diffraction, Structure 205–207 (1996) 130
Neutron Diffraction, Structure 205–207 (1996) 393
Optical Properties 205–207 (1996) 347
Phase Diagrams, Thermodynamics 205–207 (1996) 379
Phase Diagrams, Thermodynamics 205–207 (1996) 417
Short-Range Order, Thermodynamics 205–207 (1996) 438
Structure, Thermodynamics 205–207 (1996) 455
Structure 208 (1996) 145
Thermodynamics 205–207 (1996) 352
Thermodynamics 205–207 (1996) 421
Thermodynamics 205–207 (1996) 678
Thermoelectric Power, Transport Properties – Liquids 205–207 (1996) 98
Thermoelectric Power, Transport Properties – Liquids 205–207 (1996) 388
Thermoporometry 205–207 (1996) 332

Liquid Crystal Displays
Glasses, Thin Films 218 (1997) 360

Liquid Metals
Amorphous Alloys, Theory, Transition Metals 205–207 (1996) 861
Computer Simulation, Dynamical Structure, Inelastic Neutron Scattering 205–207 (1996) 299
Conduction Band, Nuclear Magnetic Resonance, XPS 205–207 (1996) 322
Density, Metal–Non-metal Transition, Thermodynamics 205–207 (1996) 147
Dielectric Properties, Structure, Theory 205–207 (1996) 911
Diffusion 205–207 (1996) 412
Dynamical Structure, Metal–Insulator Transition, Molecular Dynamics 205–207 (1996) 833
Dynamical Structure, Mode Coupling, Molecular Dynamics 205–207 (1996) 855
Dynamical Structure, Molecular Dynamics, Structure 205–207 (1996) 914
Effective Potentials, Electronic Structure, Monte Carlo Simulations 205–207 (1996) 851
Electron Spin Resonance, Metal–Non-metal Transition, Molten Salts 205–207 (1996) 48
EXAFS, Structure 205–207 (1996) 304
Expanded Liquid Metals, Molecular Dynamics, Structure 205–207 (1996) 278
Experimental Techniques, Melting, Time-Resolved Spectroscopy 205–207 (1996) 490
Germanium, Transport Properties – Liquids 201 (1996) 172
Inelastic Neutron Scattering 205–207 (1996) 370
Interfaces, Liquid Alloys, Structure, Surface Properties 205–207 (1996) 755
Interfaces, Reflectivity, Surface Properties 205–207 (1996) 762
Magnetic Properties, Theory 205–207 (1996) 342
Mode Coupling, Neutron Quasielastic Scattering 205–207 (1996) 402
Modelling, Monte Carlo Simulations 205–207 (1996) 897
Molecular Dynamics, Structure, Viscosity 205–207 (1996) 383
Molecular Dynamics Simulation 205–207 (1996) 924
Monte Carlo Simulations, Short-Range Order 205–207 (1996) 803
Monte Carlo Simulations, Structure 205–207 (1996) 879
Structure, Thermodynamics, Transition Metals 205–207 (1996) 434
Structure 205–207 (1996) 365

Liquid Semiconductors
Chalcogenides, Liquid Alloys, Transport Properties – Liquids 205–207 (1996) 89

Conductivity, Density of States, Magnetic Properties 205–207 (1996) 126
Conductivity, Liquid Alloys, Thermodynamics 205–207 (1996) 62
Density, Pressure-Induced Structural Transformation, X-ray Absorption 205–207 (1996) 451
Dynamical Structure, Structure 205–207 (1996) 85
Electrical Properties, Metal–Non-metal Transition, Transport Properties – Liquids 205–207 (1996) 28
Electrical Properties, Neutron Diffraction, Neutron Inelastic Scattering, Neutron Quasielastic Scattering 205–207 (1996) 447
Electronic Structure, Molecular Dynamics Simulation, Structure 205–207 (1996) 79
Expanded Liquid Metals, Modelling, Neutron Diffraction 205–207 (1996) 66
Liquid Alloys, Melting, Neutron Diffraction 205–207 (1996) 75
Liquid Semiconductors 205–207 (1996) 375
Monte Carlo Simulations, Structure 205–207 (1996) 361

Liquids
Alkali Silicate Glasses, Crystallization, Stress Measurement, Viscosity 209 (1997) 96
Alkali Silicate Glasses, Electrochemical Properties, Oxidation Reduction 211 (1997) 95
Crystallization, Nucleation, Silicates 219 (1997) 70
Dynamical Properties, Glass Transition, Mode Coupling, Supercooled Liquids 205–207 (1996) 472
Dynamical Properties, Glasses, Modelling, Structure 205–207 (1996) 285
EXAFS, Neutron Diffraction, Structure 205–207 (1996) 155
Glass Transition, Phase Transition, Theory 212 (1997) 80
Glasses, Oxidation Reduction 202 (1996) 241
Local Environment, Neutron Diffraction, Quasicrystals 205–207 (1996) 6
Magnetic Properties 205–207 (1996) 135
Melting, Oxides, Phase Separation 220 (1997) 17
Phase Transition, Viscosity 209 (1997) 283
Viscosity 201 (1996) 146

Local Environment
Amorphous Alloys, Electronic Structure, Theory 205–207 (1996) 841
Liquids, Neutron Diffraction, Quasicrystals 205–207 (1996) 6
Metallic Glasses, Quasicrystals, Scanning Tunneling Microscopy, Surface Analysis 205–207 (1996) 748
Orientational Correlation, Thermal Stimulated Depolarization Current 220 (1997) 309

Localization
Critical Point, Dynamical Structure, Hydrogen Effects 205–207 (1996) 282
Critical Point, Dynamical Structure, Hydrogen Effects 205–207 (1996) 290
Diffusion, Magnetic Properties, Quasicrystals 205–207 (1996) 21
Electronic Structure, Metal–Insulator Transition, Theory 205–207 (1996) 32

Luminescence
Aerogels, Processing Variables 217 (1997) 229
Borates, Rare Earth Ions, Thermal Properties 220 (1997) 217
Chalcogenides, Lasers, Relaxation 208 (1996) 29
Chalcogenide Glasses, Rare Earth Ions 213–214 (1997) 238
Defects, Fibers 216 (1997) 135
Defects, Silicon Dioxide 216 (1997) 99
Defects, Silicon Dioxide 216 (1997) 105
Differential Thermal Analysis, Glass Ceramics, Nanocrystalline Materials 219 (1997) 160
Doping, Rare Earth Ions, Silica 215 (1997) 182
Electroluminescence, Silicon Dioxide, Thin Films 220 (1997) 69
Electron Spin Resonance, Phosphates, Radiation Effects 202 (1996) 173
Excitons, Ion Irradiation 216 (1997) 36
Fluorescence Spectra 203 (1996) 120
Germania, Silicon Dioxide 216 (1997) 19
Ion Implantation 203 (1996) 62
Optical Properties, Oxides, Rare Earth Ions 217 (1997) 199
Organic–Inorganic Hybrids, Sol–Gel Processes 209 (1997) 61
Oxyhalides, Rare Earth Ions 217 (1997) 215
Phosphates, Rare Earth Ions 215 (1997) 103
Phosphates, Rare Earth Ions 217 (1997) 224
Rare Earth Ions, Silicates 217 (1997) 208
Rare Earth Ions, Time-Resolved Spectroscopy 208 (1996) 56
Rare Earth Ions 201 (1996) 211

Magnetic Properties
Alkali Borate Glasses, Optical Properties, Oxidation Reduction 208 (1996) 199
Alkali Silicate Glasses, Transition Metals, XANES 220 (1997) 267
Alloys, Crystallization, Metallic Glasses 204 (1996) 32
Alloys, Mössbauer Effect 204 (1996) 305
Amorphous Alloys, Differential Scanning Calorimetry, Nanocrystalline Materials 205–207 (1996) 811
Amorphous Alloys, Electrical Properties, Glasses Containing Transition Metal Ions 220 (1997) 147
Amorphous Alloys, Modelling 205–207 (1996) 624
Amorphous Alloys, Semiconductors 205–207 (1996) 687
Amorphous Alloys 205–207 (1996) 669
Annealing Effects, Differential Scanning Calorimetry, Metallic Glasses 205–207 (1996) 692

Annealing Effects, Nanocrystalline Materials 205–207 (1996) 620
Conductivity, Density of States, Liquid Semiconductors 205–207 (1996) 126
Conductivity, Metallic Glasses 205–207 (1996) 612
Diffusion, Localization, Quasicrystals 205–207 (1996) 21
Doping, Electrical Properties, Metallic Glasses 205–207 (1996) 673
Electron Microscopy, Glasses Containing Transition Metal Ions, Particles, Thermal Properties 201 (1996) 159
EXAFS, Glasses Containing Transition Metal Ions, Polymers, XANES 212 (1997) 11
Fluorides, Optical Properties, Rare Earth Ions 204 (1996) 178
Liquid Alloys, Thermoelectric Power, Transport Properties – Liquids 205–207 (1996) 102
Liquid Alloys 205–207 (1996) 357
Liquid Metals, Theory 205–207 (1996) 342
Liquids 205–207 (1996) 135
Metallic Glasses, Nanocrystalline Materials 205–207 (1996) 825
Metallic Glasses 205–207 (1996) 683

Mass Spectrometry
Thin Films, XPS 216 (1997) 156

Mechanical Properties
Amorphous Alloys, Transition Metals 205–207 (1996) 500
Anisotropy, Glass Ceramics 220 (1997) 291
Coatings, Sputtering, Thin Films 218 (1997) 68
Elastic Properties, Oxides, Viscosity 201 (1996) 128
Glass Ceramics, Microstructure, Nanocrystalline Materials 219 (1997) 219
Glass Transition, Organic–Inorganic Hybrids, Zirconia 211 (1997) 105
Glass Transition, Oxynitride Glasses, Thermal expansion 208 (1996) 162
Glasses Containing Transition Metal Ions, Hardness, Oxides, Ultrasonic Relaxation 215 (1997) 75
Ice, Internal Friction, Thin Films 208 (1996) 151
Mechanical Relaxation, Silicates 210 (1997) 87
Modelling, Sol–Gel Processes 201 (1996) 1
Sol–Gel Processes 204 (1996) 73

Mechanical Relaxation
Heat Capacity 203 (1996) 12
Mechanical Properties, Silicates 210 (1997) 87

Medium-Range Order
Oxides, Raman Spectra 204 (1996) 243

Melting
Amorphous Alloys, Modelling, Thermodynamics 205–207 (1996) 216
Clusters, Molecular Dynamics Simulation, Surface Properties 205–207 (1996) 767
Colloids, Microstructure 210 (1997) 95
Experimental Techniques, Liquid Metals, Time-Resolved Spectroscopy 205–207 (1996) 490
Glasses, Raman Spectra, Silicates 205–207 (1996) 225
Liquid Alloys, Liquid Semiconductors, Neutron Diffraction 205–207 (1996) 75
Liquids, Oxides, Phase Separation 220 (1997) 17

Metal–Insulator Transition
Amorphous Alloys, Structure 205–207 (1996) 656
Dynamical Structure, Liquid Metals, Molecular Dynamics 205–207 (1996) 833
Electronic Structure, Localization, Theory 205–207 (1996) 32

Metallic Glasses
Alloys, Crystallization, Magnetic Properties 204 (1996) 32
Alloys, Modelling, Structure 205–207 (1996) 567
Amorphous Alloys, Dynamical Structure, Neutron Inelastic Scattering 205–207 (1996) 592
Annealing Effects, Differential Scanning Calorimetry, Magnetic Properties 205–207 (1996) 692
Conductivity, Magnetic Properties 205–207 (1996) 612
Differential Scanning Calorimetry, Short-Range Order, Structural Relaxation 205–207 (1996) 633
Diffusion, Glass Transition, Mössbauer Effect 205–207 (1996) 476
Diffusion, Phonons, Structural Relaxation 205–207 (1996) 641
Diffusion 205–207 (1996) 607
Doping, Electrical Properties, Magnetic Properties 205–207 (1996) 673
Dynamical Structure, Neutron Inelastic Scattering, Specific Heat 205–207 (1996) 733
Glass Formation, Structure, Topological Short-Range Order 205–207 (1996) 575
Glass Formation, Surface Reactions 215 (1997) 283
Glass Transition, Nucleation, Supercooled Liquids 219 (1997) 75
Local Environment, Quasicrystals, Scanning Tunneling Microscopy, Surface Analysis 205–207 (1996) 748
Magnetic Properties, Nanocrystalline Materials 205–207 (1996) 825
Magnetic Properties 205–207 (1996) 683
Modelling, Structure 205–207 (1996) 716
Nucleation, Polymers, Supercooled Liquids 219 (1997) 30

Metal–Non-metal Transition
Critical Point, Interfaces, Reflectivity 205–207 (1996) 231
Critical Point, Interfaces, Reflectivity, X-ray Diffraction 205–207 (1996) 239
Density, Liquid Metals, Thermodynamics 205–207 (1996) 147

Electrical Properties, Liquid Semiconductors, Transport Properties – Liquids 205–207 (1996) 28
Electron Spin Resonance, Liquid Metals, Molten Salts 205–207 (1996) 48
Expanded Liquid Metals, Thermal expansion 205–207 (1996) 270
Expanded Liquid Metals 205–207 (1996) 274
Expanded Liquids, Structure, Vapour Phase 205–207 (1996) 247

Microstructure
Clusters, Nanocrystalline Materials, Photoinduced Effects 205–207 (1996) 807
Colloids, Growth Kinetics 203 (1996) 202
Colloids, Melting 210 (1997) 95
Colloids, Particles 203 (1996) 211
Crystallization, Glass Ceramics, Orientational Glasses 219 (1997) 212
Gels, Kinetics, Nucleation 219 (1997) 17
Glass Ceramics, Mechanical Properties, Nanocrystalline Materials 219 (1997) 219

Microwave
Deposition Techniques, Optical Properties, Plasma Deposition 218 (1997) 280
Indium tin oxide, Sputtering 218 (1997) 329

Mixed-Alkali Effect
Germanates, Nuclear Magnetic Resonance 215 (1997) 32
Molecular Dynamics 208 (1996) 181
Monte Carlo Simulations 215 (1997) 307
Nuclear Magnetic Resonance 215 (1997) 41
Percolation, Theory 220 (1997) 1

Mobility
Diffusion, Hydrogen in Glass 209 (1997) 204

Mode Coupling
Dynamical Properties, Glass Transition, Liquids, Supercooled Liquids 205–207 (1996) 472
Dynamical Structure, Liquid Metals, Molecular Dynamics 205–207 (1996) 855
Liquid Metals, Neutron Quasielastic Scattering 205–207 (1996) 402

Modelling
Aerogels, Densification 212 (1997) 262
Alloys, Metallic Glasses, Structure 205–207 (1996) 567
Amorphous Alloys, Magnetic Properties 205–207 (1996) 624
Amorphous Alloys, Melting, Thermodynamics 205–207 (1996) 216
Amorphous Semiconductors, Electronic Structure 210 (1997) 249
Amorphous Solids, Structure 204 (1996) 205
Borates, Phase Separation 215 (1997) 244
Boron, Fluorides 209 (1997) 247
Carbon, Glass Transition 201 (1996) 167
Chalcogenide Glasses, Glass Transition, Oxides 210 (1997) 298
Chalcogenide Glasses, Photoinduced Effects 215 (1997) 218
Coatings, Experimental Techniques, Optical Properties 218 (1997) 247
Conductivity, Field Effect 202 (1996) 137
Crystallization, Nucleation, Phase Transition 204 (1996) 13
Crystallization 202 (1996) 145
Crystallization 202 (1996) 290
Crystallization 211 (1997) 262
Crystallization 215 (1997) 134
Defects, Silica, Theory 211 (1997) 197
Dielectric Properties, Dielectric Relaxation, Electrical Properties and Relaxation 210 (1997) 70
Dielectric Properties, Dielectric Relaxation, Electrical Properties and Relaxation 212 (1997) 95
Dielectric Properties, Electrical Properties, Semiconductors 209 (1997) 137
Dielectric Properties 203 (1996) 37
Dielectric Relaxation, Relaxation 215 (1997) 293
Dielectric Relaxation 203 (1996) 300
Diffusion, Surface Properties 217 (1997) 250
Dynamical Properties, Glasses, Liquids, Structure 205–207 (1996) 285
Dynamical Properties, Viscosity 212 (1997) 126
EXAFS 210 (1997) 275
Expanded Liquid Metals, Liquid Semiconductors, Neutron Diffraction 205–207 (1996) 66
Fragility, Relaxation 220 (1997) 93
Glass Formation 201 (1996) 256
Glass Transition, Relaxation 212 (1997) 74
Glass Transition, Relaxation 212 (1997) 77
Infra-red Absorption, Molecular Dynamics Simulation 217 (1997) 236
Infra-red Absorption, Raman Spectra 211 (1997) 77
Kinetics, Relaxation, Stress Relaxation 209 (1997) 257
Light Scattering, Nanocrystalline Materials 218 (1997) 317
Light Scattering, Raman Spectra, Tunneling 208 (1996) 81
Liquid Metals, Monte Carlo Simulations 205–207 (1996) 897
Mechanical Properties, Sol–Gel Processes 201 (1996) 1
Metallic Glasses, Structure 205–207 (1996) 716
Molecular Dynamics, Oxides, Structure 210 (1997) 232
Non-linear Optics 203 (1996) 96
Nucleation, Phase Separation 208 (1996) 64
Optical Properties, Oxides, Rare Earth Ions 215 (1997) 83
Oxides, Viscoelasticity 215 (1997) 208
Phosphates, Structure 201 (1996) 222
Relaxation 203 (1996) 306
Sol–Gel Processes, Surface Tension 202 (1996) 42

Thermodynamics 203 (1996) 274
Transport Properties – Solids 203 (1996) 225
Viscosity 211 (1997) 30

Molecular Dynamics
Alloys, Elastic Properties, Glasses Containing Transition Metal Ions 202 (1996) 1
Devices, Dielectric Properties, Structure 205–207 (1996) 212
Dynamical Structure, Liquid Metals, Metal–Insulator Transition 205–207 (1996) 833
Dynamical Structure, Liquid Metals, Mode Coupling 205–207 (1996) 855
Dynamical Structure, Liquid Metals, Structure 205–207 (1996) 914
Expanded Liquid Metals, Liquid Metals, Structure 205–207 (1996) 278
Fluoride Glasses, Structure 213–214 (1997) 398
Liquid Metals, Structure, Viscosity 205–207 (1996) 383
Mixed-Alkali Effect 208 (1996) 181
Modelling, Oxides, Structure 210 (1997) 232

Molecular Dynamics Simulation
Amorphous Alloys 205–207 (1996) 875
Clusters, Electronic Structure, Structure 205–207 (1996) 793
Clusters, Melting, Surface Properties 205–207 (1996) 767
Electrical Properties, Expanded Liquid Metals, Structure 205–207 (1996) 893
Electronic Structure, Liquid Semiconductors, Structure 205–207 (1996) 79
Glass Transition, Supercooled Liquids, Thermodynamics 205–207 (1996) 463
Infra-red Absorption, Modelling 217 (1997) 236
Liquid Alloys, Neutron Diffraction, Structure 205–207 (1996) 866
Liquid Alloys, Neutron Diffraction, Structure 205–207 (1996) 901
Liquid Alloys, Neutron Diffraction, Structure 205–207 (1996) 907
Liquid Metals 205–207 (1996) 924
Molten Salts 205–207 (1996) 139

Molten Salts
Amorphous Alloys, Viscosity 205–207 (1996) 650
Electron Spin Resonance, Liquid Metals, Metal–Non-metal Transition 205–207 (1996) 48
Molecular Dynamics Simulation 205–207 (1996) 139
Neutron Diffraction, Structure 205–207 (1996) 168
Neutron Diffraction, Thermodynamics 205–207 (1996) 159
Non-linear Optics 205–207 (1996) 52

Molybdates
Phosphates, XPS 212 (1997) 180

Monte Carlo Simulations
Carbon, Electronic Structure, Structure 205–207 (1996) 846
Chalcogenides, Structure, X-ray Diffraction 209 (1997) 149
Crystallization, Equilibrium, Growth Kinetics 219 (1997) 100
Effective Potentials, Electronic Structure, Liquid Metals 205–207 (1996) 851
Fabrication, Silicon, Solar Cells, Sol–Gel Method 218 (1997) 391
Glass Transition, Polymer Melt 201 (1996) 199
Hydrogen Effects, Silicon, Time-of-Flight 220 (1997) 254
Liquid Alloys, Neutron Diffraction, Structure 205–207 (1996) 71
Liquid Metals, Modelling 205–207 (1996) 897
Liquid Metals, Short-Range Order 205–207 (1996) 803
Liquid Metals, Structure 205–207 (1996) 879
Liquid Semiconductors, Structure 205–207 (1996) 361
Mixed-Alkali Effect 215 (1997) 307
Sol–Gel Processes, Structure 210 (1997) 14

Morphology
Conductivity, Sol–Gel Processes, Thin Films, Tin Oxide 218 (1997) 123

Mössbauer Effect
Alloys, Magnetic Properties 204 (1996) 305
Amorphous Alloys, Electrodeposition, Thin Films, X-ray Diffraction 204 (1996) 99
Crystallization, Infra-red Absorption, Oxides 209 (1997) 87
Diffusion, Glass Transition, Metallic Glasses 205–207 (1996) 476
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Phosphates 202 (1996) 205
Forming, Oxygen Diffusivity 211 (1997) 164
Thin Films, Tin Oxide 218 (1997) 291

Multilayers
Alloys, Ion Irradiation, Thin Films 211 (1997) 180
Computer Simulation, Optical Properties, Refractive Index 218 (1997) 368
Electron Microscopy, Sputtering, X-ray Diffraction 219 (1997) 84
Optical Properties, Oxides, Sol–Gel Processes 218 (1997) 347
Optical Properties, Refractive Index, Thin Films 218 (1997) 296
Silica, Thin Films, Titania 218 (1997) 156
Sputtering, Thin Films, Titania 218 (1997) 58

Nanocrystalline Materials
Alloys, Glass Transition, Hardness, Quenching 205–207 (1996) 522
Amorphous Alloys, Corrosion, Differential Scanning Calorimetry 219 (1997) 155
Amorphous Alloys, Differential Scanning Calorimetry, Magnetic Properties 205–207 (1996) 811
Amorphous Alloys, Differential Scanning Calorimetry, Scanning Electron Microscopy 205–207 (1996) 559

Amorphous Alloys, Plasticity, Stress Measurement 205–207 (1996) 829
Annealing Effects, Magnetic Properties 205–207 (1996) 620
Anomalous X-ray Scattering, Raman Spectra 205–207 (1996) 797
Atomic Force Microscopy, Colloids, Ion Implantation 205–207 (1996) 788
Borosilicates, Growth Kinetics, Semiconductors 219 (1997) 205
Clusters, Microstructure, Photoinduced Effects 205–207 (1996) 807
Colloids, Infra-red Absorption, Lead Titanate, Semiconductors, Titania 205–207 (1996) 815
Differential Thermal Analysis, Glass Ceramics, Luminescence 219 (1997) 160
Electrochemical Properties, Non-linear Optics, Sol–Gel Processes 218 (1997) 151
Glass Ceramics, Mechanical Properties, Microstructure 219 (1997) 219
Light Scattering, Modelling 218 (1997) 317
Magnetic Properties, Metallic Glasses 205–207 (1996) 825
Optical Properties, Thin Films, X-ray Diffraction 218 (1997) 139
Thin Films 205–207 (1996) 737

Neutron Brillouin Scattering
Fluoride Glasses, Lasers 213–214 (1997) 271

Neutron Diffraction
Amorphous Alloys, Computer Simulation, Short-Range Order, Three-body Correlations 205–207 (1996) 888
Beryllium Fluoride, Silicates 213–214 (1997) 321
Chalcogenides 205–207 (1996) 106
Chalcogenide Glasses, Coordination, Isotope Substitution 205–207 (1996) 172
Composites, Structure 205–207 (1996) 821
Electrical Properties, Liquid Semiconductors, Neutron Inelastic Scattering, Neutron Quasielastic Scattering 205–207 (1996) 447
EXAFS, Liquids, Structure 205–207 (1996) 155
Expanded Liquid Metals, Liquid Semiconductors, Modelling 205–207 (1996) 66
Liquid Alloys, Liquid Semiconductors, Melting 205–207 (1996) 75
Liquid Alloys, Molecular Dynamics Simulation, Structure 205–207 (1996) 866
Liquid Alloys, Molecular Dynamics Simulation, Structure 205–207 (1996) 901
Liquid Alloys, Molecular Dynamics Simulation, Structure 205–207 (1996) 907
Liquid Alloys, Monte Carlo Simulations, Structure 205–207 (1996) 71
Liquid Alloys, Structure, Theory 205–207 (1996) 443
Liquid Alloys, Structure 205–207 (1996) 130
Liquid Alloys, Structure 205–207 (1996) 393
Liquids, Local Environment, Quasicrystals 205–207 (1996) 6
Molten Salts, Structure 205–207 (1996) 168
Molten Salts, Thermodynamics 205–207 (1996) 159
Structure, Water in Glass 202 (1996) 153

Neutron Inelastic Scattering
Amorphous Alloys, Dynamical Structure, Metallic Glasses 205–207 (1996) 592
Dynamical Structure, Metallic Glasses, Specific Heat 205–207 (1996) 733
Electrical Properties, Liquid Semiconductors, Neutron Diffraction, Neutron Quasielastic Scattering 205–207 (1996) 447

Neutron Quasielastic Scattering
Chalcogenides, Structure 202 (1996) 248
Dynamical Structure, Phonons, Quasicrystals 205–207 (1996) 11
Electrical Properties, Liquid Semiconductors, Neutron Diffraction, Neutron Inelastic Scattering 205–207 (1996) 447
Liquid Metals, Mode Coupling 205–207 (1996) 402

Nickel oxide
Coatings, Devices, Electrochromism, Thin Films, Tungsten oxide 218 (1997) 342

Nitridation
Chalcogenides, Oxidation Reduction 215 (1997) 301
Crystallization, Nucleation, Oxides, Valence Band 211 (1997) 1
Nitrogen-Containing Glass, Oxides, XPS 215 (1997) 201

Nitrogen
Electron Spin Resonance, Ion Implantation, Oxides 220 (1997) 109

Nitrogen-Containing Glass
Chalcogenide Glasses, Chemical Durability 220 (1997) 249
Devices, Silicon Dioxide 216 (1997) 198
Nitridation, Oxides, XPS 215 (1997) 201
Processing Variables, Thermodynamics 209 (1997) 69

Noise
Electrical Properties, Silicon Dioxide 216 (1997) 192

Non-linear Optics
Colloids, Optical Properties 211 (1997) 143
Electrochemical Properties, Nanocrystalline Materials, Sol–Gel Processes 218 (1997) 151
Fluoride Glasses, Rare Earth Ions 213–214 (1997) 225
Glass Ceramics, Oxides 208 (1996) 303
Infra-red Absorption, XPS 215 (1997) 61
Modelling 203 (1996) 96
Molten Salts 205–207 (1996) 52
Oxides, Refractive Index 210 (1997) 55
Oxides 204 (1996) 78
Tellurite Glasses 203 (1996) 49

Nuclear Magnetic Resonance
Alkali Silicate Glasses, Pressure Effects 209 (1997) 299
Alkali Silicate Glasses, Structure 204 (1996) 294
Borates, Phosphates, Structure 208 (1996) 217
Borates, Theory 215 (1997) 236
Chalcogenide Glasses 215 (1997) 226
Chalcohalides, Conductivity, Relaxation 211 (1997) 112
Conduction Band, Liquid Metals, XPS 205–207 (1996) 322
Coordination, Phosphates, Silicon 211 (1997) 208
Dielectric Properties, Structure 217 (1997) 99
Diffusion, Disordered Crystals, Liquid Alloys 205–207 (1996) 203
Electron Microscopy, Silica, X-ray Diffraction 211 (1997) 126
Germanates, Mixed-Alkali Effect 215 (1997) 32
Halide Glasses, Thermal Properties 213–214 (1997) 345
Infra-red Absorption, Oxides, Structure 202 (1996) 61
Ionic Conductivity Relaxation, Relaxation, Silicates 212 (1997) 215
Mixed-Alkali Effect 215 (1997) 41
Optical Properties 217 (1997) 182
Oxides, Structure 204 (1996) 125
Oxides, Structure, X-ray Diffraction 210 (1997) 41
Oxycarbide Glasses, Sol–Gel Processes, Structure 204 (1996) 217
Phosphates 215 (1997) 1
Polymers, Reactions 208 (1996) 105
Porosity, Silicon 202 (1996) 68
Reactions, Relaxation, Sol–Gel Processes 212 (1997) 281
Relaxation 203 (1996) 252
Sol–Gel Processes, Structure 204 (1996) 105
Sol–Gel Processes, Structure 209 (1997) 19
Sol–Gel Processes 202 (1996) 53
Sol–Gel Processes 211 (1997) 39

Nucleation
Alloys, Crystallization 208 (1996) 288
Bubbles, Vaporization 205–207 (1996) 919
Catalysis, Crystallization, Impurities 219 (1997) 80
Clusters, Crystallization, Interfaces 219 (1997) 49
Clusters, Crystallization, Kinetics 219 (1997) 1
Clusters, Structure, Transition Metals 205–207 (1996) 781
Crystallization, Fluoride Glasses 213–214 (1997) 79
Crystallization, Glass Formation, Silicates 219 (1997) 182
Crystallization, Glass Surface, Growth Kinetics 219 (1997) 37
Crystallization, Glass Surface, Kinetics 219 (1997) 110
Crystallization, Glasses, Kinetics 219 (1997) 42
Crystallization, Grating 220 (1997) 222
Crystallization, Growth Kinetics, Particles 219 (1997) 89
Crystallization, Liquids, Silicates 219 (1997) 70
Crystallization, Modelling, Phase Transition 204 (1996) 13
Crystallization, Nitridation, Oxides, Valence Band 211 (1997) 1
Crystallization, Optical Properties, Silicates 219 (1997) 57
Crystallization, Phosphates 210 (1997) 32
Crystallization, Spin coating 220 (1997) 231
Differential Scanning Calorimetry, Glass Ceramics, X-ray Diffraction 219 (1997) 149
Electron Microscopy, Scanning Electron Microscopy, X-ray Diffraction 219 (1997) 128
Gels, Kinetics, Microstructure 219 (1997) 17
Glass Transition, Metallic Glasses, Supercooled Liquids 219 (1997) 75
Glasses, Silicates, Water in Glass 219 (1997) 62
Glasses, Thermal Properties 205–207 (1996) 546
Kinetics, Structure, Theory 205–207 (1996) 550
Metallic Glasses, Polymers, Super - cooled Liquids 219 (1997) 30
Modelling, Phase Separation 208 (1996) 64

Optical Fibers
Chalcogenides, Colloids, Surface Properties 203 (1996) 217

Optical Properties
Absorption, Deposition Techniques, Thin Films 218 (1997) 380
Absorption, Glasses Containing Transition Metal Ions, Oxides 220 (1997) 139
Alkali Borate Glasses, Electron Spin Resonance, Glasses Containing Transition Metal Ions 201 (1996) 95
Alkali Borate Glasses, Electron Spin Resonance, Glasses Containing Transition Metal Ions 202 (1996) 215
Alkali Borate Glasses, Magnetic Properties, Oxidation Reduction 208 (1996) 199
Alkali Silicate Glasses, Glass Transition, Structural Relaxation 204 (1996) 282
Amorphous Alloys, Dielectric Properties, Thin Films 205–207 (1996) 180
Amorphous Semiconductors, Doping, Silicon Alloys 210 (1997) 204
Annealing Effects, Chalcogenide Glasses, Thin Films 220 (1997) 63
Annealing Effects, Ion Implantation 202 (1996) 194
Applications, Coatings, Sputtering, Titania 218 (1997) 262
Borates, Electron Spin Resonance 203 (1996) 172
Borates, Particles 220 (1997) 210
Chalcogenides, Fibers 213–214 (1997) 63
Chalcogenides, Hardness, Thin Films, Vapour Phase Deposition 210 (1997) 261
Chalcogenides, Rare Earth Ions 215 (1997) 96
Coatings, Colloids, Sol–Gel Method 218 (1997) 373
Coatings, Emissivity, Thin Films 218 (1997) 38
Coatings, Experimental Techniques, Modelling 218 (1997) 247
Coatings, Polymers, Sputtering 218 (1997) 44
Coatings, Silica, Sol–Gel Method, Tin Oxide 218 (1997) 163

Coatings, Silica, Titania 218 (1997) 25
Colloids, Fluorides, Optical Scattering 220 (1997) 78
Colloids, Non-linear Optics 211 (1997) 143
Colloids, Sol–Gel Processes 201 (1996) 250
Computer Simulation, Multilayers, Refractive Index 218 (1997) 368
Conductivity, Gallium Phosphide, Thin Films 205–207 (1996) 176
Crystallization, Nucleation, Silicates 219 (1997) 57
Crystallization 203 (1996) 135
Dangling Bonds 203 (1996) 127
Defects, Radiation Effects, Silica 212 (1997) 59
Defects, Radiation Effects 217 (1997) 173
Defects, Silicon Dioxide, Theory 216 (1997) 1
Deposition Techniques, Heat Mirror, Stress Measurement, Thin Films, Titania 218 (1997) 403
Deposition Techniques, Microwave, Plasma Deposition 218 (1997) 280
Diffusion, Impurities 216 (1997) 26
Doping, Silicon, Thin Films 209 (1997) 188
Electric Properties, Oxides, Sol–Gel Processes, Thin Films 218 (1997) 113
Electrical Properties, Silicon, Vapour Phase Deposition 204 (1996) 265
Electrical Properties, Thin Films, $ZnGa_2O_4$ 218 (1997) 74
Electrochromism, Tungsten oxide, Vanadium Oxide 218 (1997) 302
Electrodeposition, Ellipsometry 218 (1997) 307
Electron Spin Resonance, Fibers, Photoinduced Effects 211 (1997) 158
Ellipsometry 203 (1996) 102
Fluorides, Magnetic Properties, Rare Earth Ions 204 (1996) 178
Fluoride Glasses, Oxides 204 (1996) 196
Fluoride Glasses, Processing Variables 213–214 (1997) 95
Glass Surface, Interfaces, Light Scattering, Tails 218 (1997) 335
Glasses Containing Transition Metal Ions, Polymers 217 (1997) 189
Ion Implantation, Ion Irradiation 204 (1996) 273
Ion Implantation 203 (1996) 114
Lasers, Photoinduced Effects, Rare Earth Ions 213–214 (1997) 174
Lasers, Photoinduced Effects, Sol–Gel Processes 217 (1997) 136
Lasers 212 (1997) 85
Liquid Alloys 205–207 (1996) 347
Luminescence, Oxides, Rare Earth Ions 217 (1997) 199
Modelling, Oxides, Rare Earth Ions 215 (1997) 83
Multilayers, Oxides, Sol–Gel Processes 218 (1997) 347
Multilayers, Refractive Index, Thin Films 218 (1997) 296
Nanocrystalline Materials, Thin Films, X-ray Diffraction 218 (1997) 139
Nuclear Magnetic Resonance 217 (1997) 182
Optical Properties 203 (1996) 206
Oxides, Refractive Index 210 (1997) 155
Phosphates, Rare Earth Ions, Structure 208 (1996) 205
Rare Earth Ions 203 (1996) 176
Small Angle X-ray Scattering, Sol–Gel Processes 217 (1997) 143
Sol–Gel Method 203 (1996) 43
Sol–Gel Method 203 (1996) 78
Thin Film Transistors, Vapour Phase Deposition 210 (1997) 148

Optical Scattering
Colloids, Fluorides, Optical Properties 220 (1997) 78
Fictive Temperature, Infra-red Absorption, Raman Spectra, Silica 220 (1997) 178
Glass Transition 203 (1996) 186
Processing Variables 203 (1996) 143
Relaxation 203 (1996) 359

Optical Waveguide
Coatings, Sol–Gel Processes 220 (1997) 202

Organic–Inorganic Hybrids
Catalysis, Sol–Gel Processes 202 (1996) 279
Fluorescence Spectra, Time-Resolved Spectroscopy 220 (1997) 316
Glass Transition, Mechanical Properties, Zirconia 211 (1997) 105
Infra-red Absorption, Processing Variables 210 (1997) 187
Luminescence, Sol–Gel Processes 209 (1997) 61
Sol–Gel Processes, Surface Tension 209 (1997) 51

Orientational Correlation
Local Environment, Thermal Stimulated Depolarization Current 220 (1997) 309

Orientational Glasses
Crystallization, Glass Ceramics, Microstructure 219 (1997) 212
Crystallization, X-ray Diffraction 209 (1997) 305
Differential Thermal Analysis, Electrochemical Properties, Glass Ceramics 219 (1997) 136

Oxidation
Coatings, Deposition Techniques, Silicon, Sputtering 218 (1997) 223

Oxidation Reduction
Alkali Borate Glasses, Magnetic Properties, Optical Properties 208 (1996) 199
Alkali Silicate Glasses, Electrochemical Properties, Liquids 211 (1997) 95
Chalcogenides, Nitridation 215 (1997) 301
Defects, Diffusion, Germania, Silicates 202 (1996) 93
Glasses, Liquids 202 (1996) 241
Oxides, Silicon Nitride 216 (1997) 202
Structure 208 (1996) 237

Oxide Melts
Small Angle Neutron Scattering 205–207 (1996) 163
Structure 205–207 (1996) 151

Oxides
Absorption, Glasses Containing Transition Metal Ions, Optical Properties 220 (1997) 139
Atomic Force Microscopy, Auger Electron Spectroscopy, Surface Analysis, Surface Reactions 220 (1997) 127
Chalcogenide Glasses, Glass Transition, Modelling 210 (1997) 298
Chemical Durability, Crystallization, Glass Transition, Hardness 212 (1997) 198
Conductivity, Crystallization 201 (1996) 246
Crystallization, Impurities 212 (1997) 55
Crystallization, Infra-red Absorption, Mössbauer Effect 209 (1997) 87
Crystallization, Nitridation, Nucleation, Valence Band 211 (1997) 1
Crystallization, Oxynitride Glasses, Thermal Properties 211 (1997) 222
Diffusion, Silicon Dioxide 216 (1997) 140
Elastic Properties, Mechanical Properties, Viscosity 201 (1996) 128
Electric Properties, Optical Properties, Sol–Gel Processes, Thin Films 218 (1997) 113
Electric Properties, Oxynitride Glasses, Thin Films 217 (1997) 323
Electroluminescence 212 (1997) 192
Electron Microscopy, Electronic Conductivity, Thin Films, Tin Oxide 218 (1997) 230
Electron Spin Resonance, Glasses Containing Transition Metal Ions 204 (1996) 46
Electron Spin Resonance, Ion Implantation, Nitrogen 220 (1997) 109
Electron Spin Resonance, Ion Implantation 210 (1997) 101
Electron Spin Resonance, Radiation Effects 204 (1996) 253
EXAFS, Infra-red Absorption, Ion Exchange 220 (1997) 30
EXAFS, Sol–Gel Processes, XANES, X-ray Diffraction 204 (1996) 65
EXAFS, Structure, Thermal Properties, XANES 211 (1997) 214
Fluoride Glasses, Optical Properties 204 (1996) 196
Glass Ceramics, Glass Formation, Glass Transition 204 (1996) 135
Glass Ceramics, Non-linear Optics 208 (1996) 303
Glasses Containing Transition Metal Ions, Hardness, Mechanical Properties, Ultrasonic Relaxation 215 (1997) 75
Infra-red Absorption, Nuclear Magnetic Resonance, Structure 202 (1996) 61
Infra-red Absorption, Raman Spectra 202 (1996) 233
Infra-red Absorption, Silicon Dioxide 216 (1997) 55
Ion plating, Stress Measurement, Thin Films 218 (1997) 256
Liquids, Melting, Phase Separation 220 (1997) 17
Luminescence, Optical Properties, Rare Earth Ions 217 (1997) 199
Medium-Range Order, Raman Spectra 204 (1996) 243
Modelling, Molecular Dynamics, Structure 210 (1997) 232
Modelling, Optical Properties, Rare Earth Ions 215 (1997) 83
Modelling, Viscoelasticity 215 (1997) 208
Multilayers, Optical Properties, Sol–Gel Processes 218 (1997) 347
Nitridation, Nitrogen-Containing Glass, XPS 215 (1997) 201
Non-linear Optics, Refractive Index 210 (1997) 55
Non-linear Optics 204 (1996) 78
Nuclear Magnetic Resonance, Structure 204 (1996) 125
Nuclear Magnetic Resonance, Structure, X-ray Diffraction 210 (1997) 41
Optical Properties, Refractive Index 210 (1997) 155
Oxidation Reduction, Silicon Nitride 216 (1997) 202
Phase Separation, Small Angle X-ray Scattering 208 (1996) 294
Photoinduced Effects, Rare Earth Ions 215 (1997) 192
Raman Spectra, Thermal Properties 210 (1997) 130
Reactions, Solutions 209 (1997) 76
Silicon Dioxide, Theory 216 (1997) 14
Solutions, Thin Films 210 (1997) 48
Sputtering 218 (1997) 354
Structure, XPS 211 (1997) 64

Oxycarbide Glasses
Nuclear Magnetic Resonance, Sol–Gel Processes, Structure 204 (1996) 217

Oxyhalides
Luminescence, Rare Earth Ions 217 (1997) 215

Oxynitride Glasses
Conduction Band, Phase Separation, Reduction 217 (1997) 83
Crystallization, Oxides, Thermal Properties 211 (1997) 222
Crystallization, Phase Separation 217 (1997) 55
Density, Hardness, Polymer Solutions, Thermal expansion 217 (1997) 66
Electric Properties, Oxides, Thin Films 217 (1997) 323
Glass Transition, Mechanical Properties, Thermal expansion 208 (1996) 162

Oxygen Diffusivity
Forming, Mössbauer Effect 211 (1997) 164

Paint
Coatings, Silica, Sol–Gel Method 218 (1997) 395

Particles
Borates, Optical Properties 220 (1997) 210
Chalcogenides, Doping, Photoinduced Effects 212 (1997) 166
Colloids, Microstructure 203 (1996) 211
Crystallization, Growth Kinetics, Nucleation 219 (1997) 89
Electron Microscopy, Glasses Containing Transition Metal Ions, Magnetic Properties, Thermal Properties 201 (1996) 159

Percolation
Chalcogenides, Conductivity, Germanium 208 (1996) 1
Chalcohalides 213–214 (1997) 22
Mixed-Alkali Effect, Theory 220 (1997) 1

Permeability
Hydrogen in Glass, Silicon Dioxide 216 (1997) 65

Phase Diagrams
Critical Point, Expanded Liquid Metals 205–207 (1996) 265
Liquid Alloys, Thermodynamics 205–207 (1996) 379
Liquid Alloys, Thermodynamics 205–207 (1996) 417

Phase Separation
Borates, Modelling 215 (1997) 244
Conduction Band, Oxynitride Glasses, Reduction 217 (1997) 83
Crystallization, Oxynitride Glasses 217 (1997) 55
Crystallization 203 (1996) 195
Fibers, Thermal Properties 201 (1996) 267
Fibers, Thermal Properties 201 (1996) 272
Liquids, Melting, Oxides 220 (1997) 17
Modelling, Nucleation 208 (1996) 64
Oxides, Small Angle X-ray Scattering 208 (1996) 294
Surface Properties 215 (1997) 252

Phase Transition
Crystallization, Modelling, Nucleation 204 (1996) 13
Glass Transition, Liquids, Theory 212 (1997) 80
Liquids, Viscosity 209 (1997) 283

Phonons
Diffusion, Metallic Glasses, Structural Relaxation 205–207 (1996) 641
Dynamical Structure, Neutron Quasielastic Scattering, Quasicrystals 205–207 (1996) 11
Fluorescence Spectra, Germanates, Rare Earth Ions 217 (1997) 111

Phosphates
Borates, Fluorides, Rare Earth Ions 213–214 (1997) 193
Borates, Nuclear Magnetic Resonance, Structure 208 (1996) 217
Computer Simulation, Processing Variables 210 (1997) 209
Coordination, Nuclear Magnetic Resonance, Silicon 211 (1997) 208
Coordination, XANES 220 (1997) 85
Corrosion 215 (1997) 21
Crystallization, Differential Scanning Calorimetry, Differential Thermal Analysis, Thermal Properties 201 (1996) 52
Crystallization, Nucleation 210 (1997) 32
Doping, Raman Spectra 212 (1997) 173
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Mössbauer Effect 202 (1996) 205
Electron Spin Resonance, Luminescence, Radiation Effects 202 (1996) 173
Fibers, Light Scattering 215 (1997) 11
First Sharp Diffraction Peak, Structure, X-ray Diffraction 217 (1997) 299
Fluorides, Rare Earth Ions 213–214 (1997) 245
Glass Formation, Transition Metals 204 (1996) 141
Infra-red Absorption, Raman Spectra, Structure 209 (1997) 209
Infra-red Absorption, Raman Spectra 209 (1997) 227
Ionic Conductivity, Ionic Conductivity Relaxation 220 (1997) 280
Luminescence, Rare Earth Ions 215 (1997) 103
Luminescence, Rare Earth Ions 217 (1997) 224
Modelling, Structure 201 (1996) 222
Molybdates, XPS 212 (1997) 180
Nuclear Magnetic Resonance 215 (1997) 1
Optical Properties, Rare Earth Ions, Structure 208 (1996) 205
Stress Measurement, Stress Relaxation, Structural Relaxation 208 (1996) 228
Thermal Properties 201 (1996) 262

Photoconductivity
Dielectric Properties, Thin Films 216 (1997) 88
Sol–Gel Method, Thin Films, Ultraviolet Absorption 218 (1997) 135

Photoinduced Effects
Alloys, Silicon, Thermal Properties 201 (1996) 163
Amorphous Semiconductors, Porosity, Silicon 220 (1997) 261
Chalcogenides, Diffusion 202 (1996) 107
Chalcogenides, Doping, Particles 212 (1997) 166
Chalcogenides, Electron Spin Resonance, Thin Films 217 (1997) 121
Chalcogenides, Electronic Structure 210 (1997) 178
Chalcogenides 204 (1996) 83
Chalcogenides 213–214 (1997) 215
Chalcogenide Glasses, Infra-red Absorption, Reflectivity 202 (1996) 113
Chalcogenide Glasses, Modelling 215 (1997) 218
Chalcogenide Glasses, Rutherford Backscattering 212 (1997) 157
Chalcogenide Glasses, Thermal Properties, Thin Films 202 (1996) 122

Clusters, Microstructure, Nanocrystalline Materials 205–207 (1996) 807
Defects, Silicon 209 (1997) 193
Electron Spin Resonance, Fibers, Optical Properties 211 (1997) 158
Lasers, Optical Properties, Rare Earth Ions 213–214 (1997) 174
Lasers, Optical Properties, Sol–Gel Processes 217 (1997) 136
Oxides, Rare Earth Ions 215 (1997) 192
Rare Earth Ions, Silicates 209 (1997) 200
Silica, Sol–Gel Processes, Thin Films 215 (1997) 176
Solar Cells, Stäbler–Wronski Effect 204 (1996) 92
Thermal expansion, Thin Films, Ultraviolet Absorption 218 (1997) 312

Photoreceptor
Amorphization, Pressure-Induced Structural Transformation 212 (1997) 49

Photoresponse
Amorphous Semiconductors, Silicon, Thin Films 211 (1997) 229

Piezoresistance
Aerogels, Electron Microscopy, Gels, Thermal Properties 201 (1996) 66

Plasma Deposition
Amorphous Alloys, Germanium, Silicon 211 (1997) 22
Coatings, Conductivity, Thin Films 218 (1997) 30
Deposition Techniques, Microwave, Optical Properties 218 (1997) 280
Deposition Techniques, Silica 212 (1997) 225
Hydrogen Effects, Silicon Alloys 202 (1996) 81
Infra-red Absorption, Silicon Carbide, Thin Films 201 (1996) 110
Refractive Index, Sputtering, Thin Films 218 (1997) 19
Sputtering, Thin Films 218 (1997) 50

Plasticity
Alloys, Crystallization, Glass Formation 205–207 (1996) 597
Alloys, Crystallization, Glass Formation 205–207 (1996) 637
Amorphous Alloys, Chemical Short-Range Order, Diffusion, Elastic Properties 205–207 (1996) 696
Amorphous Alloys, Nanocrystalline Materials, Stress Measurement 205–207 (1996) 829

Polymers
Coatings, Optical Properties, Sputtering 218 (1997) 44
EXAFS, Glasses Containing Transition Metal Ions, Magnetic Properties, XANES 212 (1997) 11
Glasses Containing Transition Metal Ions, Optical Properties 217 (1997) 189
Metallic Glasses, Nucleation, Supercooled Liquids 219 (1997) 30
Nuclear Magnetic Resonance, Reactions 208 (1996) 105
Pressure Effects, Thermal Properties 204 (1996) 158

Polymer Dynamics
Crystallization, Dielectric Properties, Relaxation 212 (1997) 208

Polymer Melt
Glass Transition, Monte Carlo Simulations 201 (1996) 199

Polymer Solutions
Density, Hardness, Oxynitride Glasses, Thermal expansion 217 (1997) 66
Sol–Gel Processes 208 (1996) 259

Porosity
Amorphous Semiconductors, Photoinduced Effects, Silicon 220 (1997) 261
Density, Processing Variables, Sol–Gel Processes 209 (1997) 40
Differential Scanning Calorimetry, Silicon 204 (1996) 169
Doping, Sol–Gel Processes, X-ray Diffraction 217 (1997) 41
Nuclear Magnetic Resonance, Silicon 202 (1996) 68

Positron Annihilation
Crystallization, Surface Reactions 217 (1997) 72

Pressure Effects
Absorption 205–207 (1996) 110
Alkali Silicate Glasses, Nuclear Magnetic Resonance 209 (1997) 299
Crystallization 217 (1997) 317
EXAFS 205–207 (1996) 199
Expanded Liquid Metals, Structure, X-ray Diffraction 205–207 (1996) 295
Expanded Liquid Metals, Thermodynamics 205–207 (1996) 459
Polymers, Thermal Properties 204 (1996) 158

Pressure-Induced Structural Transformation
Amorphization, Photoreceptor 212 (1997) 49
Density, Etching, Fictive Temperature, Silica 209 (1997) 166
Density, Liquid Semiconductors, X-ray Absorption 205–207 (1996) 451
Infra-red Absorption, Sol–Gel Processes 220 (1997) 195

Processing Variables
Aerogels, Luminescence 217 (1997) 229
Aerogels, Sol–Gel Precursors 210 (1997) 224
Aerogels, Sol–Gel Processes 204 (1996) 228
Aerogels 208 (1996) 191
Amorphous Alloys, Ceramics, Composites, Thermoelectric Power 205–207 (1996) 742

Applications, Coatings, Fabrication, Glasses 218 (1997) 235
Borates, Solutions 210 (1997) 141
Boron 209 (1997) 240
Chalcogenide Glasses, Lasers 212 (1997) 143
Computer Simulation, Phosphates 210 (1997) 209
Crystallization, Glass Formation 215 (1997) 140
Density, Porosity, Sol–Gel Processes 209 (1997) 40
EXAFS, Sol–Gel Processes 220 (1997) 45
Fibers, Refractive Index 220 (1997) 299
Fluoride Glasses, Optical Properties 213–214 (1997) 95
Infra-red Absorption, Organic–In - organic Hybrids 210 (1997) 187
Nitrogen-Containing Glass, Thermodynamics 209 (1997) 69
Optical Scattering 203 (1996) 143
Processing Variables 203 (1996) 329
Radiation Effects, Ultraviolet Absorption 203 (1996) 69
Viscosity 202 (1996) 272
Water in Glass 203 (1996) 19

Quasicrystals
Computer Simulation, Inelastic Neutron Scattering, Structure 205–207 (1996) 701
Diffusion, Localization, Magnetic Properties 205–207 (1996) 21
Disordered Crystals, Electrical Properties, Semiconductors 205–207 (1996) 1
Dynamical Structure, Neutron Quasielastic Scattering, Phonons 205–207 (1996) 11
Electrical Properties, Thermal Conductivity, Thermoelectric Power 205–207 (1996) 17
Liquids, Local Environment, Neutron Diffraction 205–207 (1996) 6
Local Environment, Metallic Glasses, Scanning Tunneling Microscopy, Surface Analysis 205–207 (1996) 748
Theory 205–207 (1996) 25

Quenching
Alloys, Glass Transition, Hardness, Nanocrystalline Materials 205–207 (1996) 522

Radiation Effects
Chalcogenides, Thin Films 210 (1997) 119
Defects, Optical Properties, Silica 212 (1997) 59
Defects, Optical Properties 217 (1997) 173
Diffusion, Hydrogen in Glass 216 (1997) 71
Electron Spin Resonance, Luminescence, Phosphates 202 (1996) 173
Electron Spin Resonance, Oxides 204 (1996) 253
Fibers, Silicon Dioxide 216 (1997) 124
Fibers, Silicon Dioxide 216 (1997) 129
Glasses, Lasers, Rare Earth Ions 219 (1997) 165
Infra-red Absorption, Ion Implantation, Raman Spectra, Silicon Carbide 220 (1997) 187
Processing Variables, Ultraviolet Absorption 203 (1996) 69

Raman Spectra
Aerogels, Water in Glass 211 (1997) 294
Alumina, Infra-red Absorption, Sol–Gel Processes 210 (1997) 1
Amorphous Alloys, EXAFS, Short-Range Order 205–207 (1996) 184
Amorphous Alloys, Short-Range Order 205–207 (1996) 189
Amorphous Alloys, Short-Range Order 205–207 (1996) 194
Anomalous X-ray Scattering, Nanocrystalline Materials 205–207 (1996) 797
Borates, Fluorescence Spectra, Structure 217 (1997) 278
Borates, Glasses Containing Transition Metal Ions, Structure 210 (1997) 163
Borates, Infra-red Absorption, Structure 202 (1996) 222
Borates 210 (1997) 59
Chalcogenides, Two-Level System 211 (1997) 89
Chalcogenide Glasses, Halide Glasses, Structure 208 (1996) 49
Crystallization 203 (1996) 192
Doping, Phosphates 212 (1997) 173
Fictive Temperature, Infra-red Absorption, Optical Scattering, Silica 220 (1997) 178
Fictive Temperature, Silicon Dioxide 216 (1997) 111
Fluoride Glasses 204 (1996) 188
Gels, Glass Formation, Infra-red Absorption 210 (1997) 254
Glasses, Melting, Silicates 205–207 (1996) 225
Hydrogenation, Silicon, Vapour Phase Deposition 211 (1997) 173
Infra-red Absorption, Ion Implantation, Radiation Effects, Silicon Carbide 220 (1997) 187
Infra-red Absorption, Modelling 211 (1997) 77
Infra-red Absorption, Oxides 202 (1996) 233
Infra-red Absorption, Phosphates, Structure 209 (1997) 209
Infra-red Absorption, Phosphates 209 (1997) 227
Light Scattering, Modelling, Tunneling 208 (1996) 81
Medium-Range Order, Oxides 204 (1996) 243
Oxides, Thermal Properties 210 (1997) 130
Raman Spectra 203 (1996) 153
Sol–Gel Processes, Transition Metals 208 (1996) 89
Sol–Gel Processes 208 (1996) 247
Structure, Tellurite Glasses 220 (1997) 169

Rare Earth Ions
Alkali Borate Glasses, Fluorescence Spectra 217 (1997) 291
Borates, Fluorides, Phosphates 213–214 (1997) 193
Borates, Luminescence, Thermal Properties 220 (1997) 217
Chalcogenides, Optical Properties 215 (1997) 96
Chalcogenide Glasses, Fluorescence Spectra, Glasses Containing Transition Metal Ions 213–214 (1997) 288
Chalcogenide Glasses, Fluorescence Spectra 212 (1997) 151
Chalcogenide Glasses, Fluorescence Spectra 213–214 (1997) 295

Chalcogenide Glasses, Lasers 213–214 (1997) 231
Chalcogenide Glasses, Luminescence 213–214 (1997) 238
Chalcogenide Glasses 213–214 (1997) 281
Chalcogenide Glasses 213–214 (1997) 381
Chalcohalides 213–214 (1997) 304
Crystallization, Fluoride Glasses 213–214 (1997) 404
Doping, Luminescence, Silica 215 (1997) 182
Fluorescence Spectra, Fluorides 210 (1997) 243
Fluorescence Spectra, Fluorides 213–214 (1997) 266
Fluorescence Spectra, Germanates, Phonons 217 (1997) 111
Fluorescence Spectra, Glasses Containing Transition Metal Ions, Sol–Gel Processes 202 (1996) 16
Fluorescence Spectra, Halide Glasses, Lasers 201 (1996) 37
Fluorescence Spectra, Halide Glasses 202 (1996) 297
Fluorides, Magnetic Properties, Optical Properties 204 (1996) 178
Fluorides, Phosphates 213–214 (1997) 245
Fluorides, Sol–Gel Processes, Zirconia 202 (1996) 23
Fluoride Glasses, Lasers 213–214 (1997) 158
Fluoride Glasses, Lasers 213–214 (1997) 276
Fluoride Glasses, Lasers 213–214 (1997) 393
Fluoride Glasses, Non-linear Optics 213–214 (1997) 225
Fluoride Glasses 213–214 (1997) 179
Fluoride Glasses 213–214 (1997) 199
Fluoride Glasses 213–214 (1997) 251
Fluoride Glasses 213–214 (1997) 256
Fluoride Glasses 213–214 (1997) 261
Fluoride Glasses 213–214 (1997) 311
Fluoride Glasses 213–214 (1997) 315
Glasses, Lasers, Radiation Effects 219 (1997) 165
Lasers, Optical Properties, Photoinduced Effects 213–214 (1997) 174
Luminescence, Optical Properties, Oxides 217 (1997) 199
Luminescence, Oxyhalides 217 (1997) 215
Luminescence, Phosphates 215 (1997) 103
Luminescence, Phosphates 217 (1997) 224
Luminescence, Silicates 217 (1997) 208
Luminescence, Time-Resolved Spectroscopy 208 (1996) 56
Luminescence 201 (1996) 211
Modelling, Optical Properties, Oxides 215 (1997) 83
Optical Properties, Phosphates, Structure 208 (1996) 205
Optical Properties 203 (1996) 176
Oxides, Photoinduced Effects 215 (1997) 192
Photoinduced Effects, Silicates 209 (1997) 200
Sol–Gel Processes 201 (1996) 153

Reactions
Calorimetry, Sol–Gel Processes 208 (1996) 99
Nuclear Magnetic Resonance, Polymers 208 (1996) 105
Nuclear Magnetic Resonance, Relaxation, Sol–Gel Processes 212 (1997) 281
Oxides, Solutions 209 (1997) 76
Sol–Gel Precursors, Sol–Gel Processes 201 (1996) 231
Sol–Gel Processes 204 (1996) 301

Reduction
Conduction Band, Oxynitride Glasses, Phase Separation 217 (1997) 83

Reflectivity
Chalcogenide Glasses, Infra-red Absorption, Photoinduced Effects 202 (1996) 113
Coatings, Glasses, Thin Films 218 (1997) 1
Critical Point, Interfaces, Metal–Non-metal Transition 205–207 (1996) 231
Critical Point, Interfaces, Metal–Non-metal Transition, X-ray Diffraction 205–207 (1996) 239
Fluoride Glasses 213–214 (1997) 184
Interfaces, Liquid Metals, Surface Properties 205–207 (1996) 762

Refractive Index
Computer Simulation, Multilayers, Optical Properties 218 (1997) 368
Density, Fluorides, Glass Transition 213–214 (1997) 363
Fibers, Processing Variables 220 (1997) 299
Interfaces, Ion Exchange, Thin Films 218 (1997) 286
Multilayers, Optical Properties, Thin Films 218 (1997) 296
Non-linear Optics, Oxides 210 (1997) 55
Optical Properties, Oxides 210 (1997) 155
Plasma Deposition, Sputtering, Thin Films 218 (1997) 19

Relaxation
Alloys, Specific Heat, Stress Relaxation 208 (1996) 119
Amorphous Solids, Diffusion, Silicon 205–207 (1996) 208
Chalcogenides, Lasers, Luminescence 208 (1996) 29
Chalcogenide Glasses 203 (1996) 182
Chalcohalides, Conductivity, Nuclear Magnetic Resonance 211 (1997) 112
Clusters, Crystal to Amorphous Phase Transformation, Crystallization 210 (1997) 171
Crystallization, Dielectric Properties, Polymer Dynamics 212 (1997) 208
Dielectric Relaxation, Modelling 215 (1997) 293
Dielectric Relaxation 212 (1997) 89
Diffusion, Electrical Properties 203 (1996) 232
Electric Properties 203 (1996) 293
Fragility, Modelling 220 (1997) 93
Glass Transition, Modelling 212 (1997) 74
Glass Transition, Modelling 212 (1997) 77
Ionic Conductivity Relaxation, Nuclear Magnetic Resonance, Silicates 212 (1997) 215
Ionic Conductivity Relaxation 203 (1996) 246
Kinetics, Modelling, Stress Relaxation 209 (1997) 257
Modelling 203 (1996) 306
Nuclear Magnetic Resonance, Reactions, Sol–Gel Processes 212 (1997) 281
Nuclear Magnetic Resonance 203 (1996) 252

Optical Scattering 203 (1996) 359
Stress Relaxation, Structural Relaxation, Theory, Thermal Properties 202 (1996) 253

Rheology
Fluoride Glasses 213–214 (1997) 325

Rutherford Backscattering
Chalcogenide Glasses, Photoinduced Effects 212 (1997) 157

Scanning Electron Microscopy
Amorphous Alloys, Differential Scanning Calorimetry, Nanocrystalline Materials 205–207 (1996) 559
Electron Microscopy, Nucleation, X-ray Diffraction 219 (1997) 128

Scanning Tunneling Microscopy
Local Environment, Metallic Glasses, Quasicrystals, Surface Analysis 205–207 (1996) 748

Secondary Ion Mass Spectroscopy
Glass Surface, Surface Analysis, Time-of-Flight 218 (1997) 196

Semiconductors
Amorphous Alloys, Magnetic Properties 205–207 (1996) 687
Borosilicates, Growth Kinetics, Nanocrystalline Materials 219 (1997) 205
Chalcogenide Glasses, Defects, Thin Films 201 (1996) 119
Colloids, Infra-red Absorption, Lead Titanate, Nanocrystalline Materials, Titania 205–207 (1996) 815
Deposition Techniques, Electrical Properties, Silicon Alloys 208 (1996) 277
Dielectric Properties, Electrical Properties, Modelling 209 (1997) 137
Disordered Crystals, Electrical Properties, Quasicrystals 205–207 (1996) 1

Short-Range Order
Amorphous Alloys, Computer Simulation, Neutron Diffraction, Three-body Correlations 205–207 (1996) 888
Amorphous Alloys, EXAFS, Raman Spectra 205–207 (1996) 184
Amorphous Alloys, Raman Spectra 205–207 (1996) 189
Amorphous Alloys, Raman Spectra 205–207 (1996) 194
Crystallization, Liquid Alloys, Specific Heat 205–207 (1996) 317
Differential Scanning Calorimetry, Metallic Glasses, Structural Relaxation 205–207 (1996) 633
Liquid Alloys, Thermodynamics 205–207 (1996) 438
Liquid Metals, Monte Carlo Simulations 205–207 (1996) 803

Silica
Aerogels, Germania 220 (1997) 102
Aerogels, XPS 201 (1996) 76
Alumina, Coatings, Conductivity, Silicon, Tin Oxide, Titania 218 (1997) 81
Antireflection, Coatings, Glasses, Gradient Index 218 (1997) 92
Coatings, Optical Properties, Sol–Gel Method, Tin Oxide 218 (1997) 163
Coatings, Optical Properties, Titania 218 (1997) 25
Coatings, Paint, Sol–Gel Method 218 (1997) 395
Defects, Modelling, Theory 211 (1997) 197
Defects, Optical Properties, Radiation Effects 212 (1997) 59
Densification, Fibers 204 (1996) 95
Density, Etching, Fictive Temperature, Pressure-Induced Structural Transformation 209 (1997) 166
Deposition Techniques, Plasma Deposition 212 (1997) 225
Doping, Luminescence, Rare Earth Ions 215 (1997) 182
Electron Microscopy, Nuclear Magnetic Resonance, X-ray Diffraction 211 (1997) 126
Fictive Temperature, Infra-red Absorption, Optical Scattering, Raman Spectra 220 (1997) 178
Hydrogen in Glass, Infra-red Absorption, Water in Glass 201 (1996) 177
Kinetics, Structural Relaxation, Surface Properties 209 (1997) 264
Multilayers, Thin Films, Titania 218 (1997) 156
Photoinduced Effects, Sol–Gel Processes, Thin Films 215 (1997) 176

Silicates
Beryllium Fluoride, Neutron Diffraction 213–214 (1997) 321
Crystallization, Glass Formation, Nucleation 219 (1997) 182
Crystallization, Liquids, Nucleation 219 (1997) 70
Crystallization, Nucleation, Optical Properties 219 (1997) 57
Defects, Diffusion, Germania, Oxidation Reduction 202 (1996) 93
EXAFS, Glasses Containing Transition Metal Ions, Structure, XANES 201 (1996) 81
EXAFS, Structure, X-ray Diffraction 211 (1997) 56
Glasses, Melting, Raman Spectra 205–207 (1996) 225
Glasses, Nucleation, Water in Glass 219 (1997) 62
Glasses Containing Transition Metal Ions, Surface Analysis, XPS 208 (1996) 267
Heat Capacity, Thermal Properties, Thermodynamics 211 (1997) 271
Ionic Conductivity Relaxation, Nuclear Magnetic Resonance, Relaxation 212 (1997) 215
Luminescence, Rare Earth Ions 217 (1997) 208
Mechanical Properties, Mechanical Relaxation 210 (1997) 87

Photoinduced Effects, Rare Earth Ions 209 (1997) 200
Thermal Conductivity, Two-Level System 202 (1996) 88

Silicon
Alloys, Germanium, Small Angle X-ray Scattering 209 (1997) 175
Alloys, Photoinduced Effects, Thermal Properties 201 (1996) 163
Alumina, Coatings, Conductivity, Silica, Tin Oxide, Titania 218 (1997) 81
Amorphous Alloys, Germanium, Plasma Deposition 211 (1997) 22
Amorphous Semiconductors, Photoinduced Effects, Porosity 220 (1997) 261
Amorphous Semiconductors, Photoresponse, Thin Films 211 (1997) 229
Amorphous Solids, Diffusion, Relaxation 205–207 (1996) 208
Annealing Effects, Lasers, Thin Film Transistors 218 (1997) 218
Coatings, Deposition Techniques, Oxidation, Sputtering 218 (1997) 223
Coordination, Nuclear Magnetic Resonance, Phosphates 211 (1997) 208
Defects, Deposition Techniques, Thin Film Transistors 204 (1996) 164
Defects, Photoinduced Effects 209 (1997) 193
Differential Scanning Calorimetry, Porosity 204 (1996) 169
Doping, Optical Properties, Thin Films 209 (1997) 188
Electrical Properties, Optical Properties, Vapour Phase Deposition 204 (1996) 265
Fabrication, Monte Carlo Simulations, Solar Cells, Sol–Gel Method 218 (1997) 391
Glasses, Solar Cells, Thin Films 218 (1997) 388
Hydrogen Effects, Monte Carlo Simulations, Time-of-Flight 220 (1997) 254
Hydrogenation, Raman Spectra, Vapour Phase Deposition 211 (1997) 173
Lasers, Silicon Carbide 202 (1996) 77
Nuclear Magnetic Resonance, Porosity 202 (1996) 68
Silicon Dioxide, XANES 204 (1996) 202

Silicon Alloys
Amorphous Semiconductors, Doping, Optical Properties 210 (1997) 204
Deposition Techniques, Electrical Properties, Semiconductors 208 (1996) 277
Deposition Techniques, Hydrogen Effects, Silicon Nitride, Thin Films 210 (1997) 267
Hydrogen Effects, Plasma Deposition 202 (1996) 81

Silicon Carbide
Acoustic Properties, Thin Films 209 (1997) 273
Infra-red Absorption, Ion Implantation, Radiation Effects, Raman Spectra 220 (1997) 187
Infra-red Absorption, Plasma Deposition, Thin Films 201 (1996) 110
Lasers, Silicon 202 (1996) 77

Silicon Dioxide
Auger Electron Spectroscopy, Bonding 216 (1997) 83
Capacitance Methods, Defects 216 (1997) 180
Defects, Fluorescence Spectra 216 (1997) 95
Defects, Luminescence 216 (1997) 99
Defects, Luminescence 216 (1997) 105
Defects, Optical Properties, Theory 216 (1997) 1
Defects, Sputtering, Thin Films 218 (1997) 62
Defects, Theory 217 (1997) 167
Deposition Techniques, Infra-red Absorption 216 (1997) 48
Devices, Electrical Properties 216 (1997) 185
Devices, Nitrogen-Containing Glass 216 (1997) 198
Diffusion, Oxides 216 (1997) 140
Electric Properties, Trapping 216 (1997) 174
Electrical Properties, Noise 216 (1997) 192
Electrical Properties, Trapping 216 (1997) 162
Electrical Properties, Trapping 216 (1997) 209
Electrical Properties, Trapping 220 (1997) 157
Electroluminescence, Luminescence, Thin Films 220 (1997) 69
Ellipsometry, Thin Films 216 (1997) 77
Fibers, Radiation Effects 216 (1997) 124
Fibers, Radiation Effects 216 (1997) 129
Fictive Temperature, Raman Spectra 216 (1997) 111
Germania, Luminescence 216 (1997) 19
Hydrogen in Glass, Ionic Conductivity 216 (1997) 116
Hydrogen in Glass, Permeability 216 (1997) 65
Infra-red Absorption, Oxides 216 (1997) 55
Oxides, Theory 216 (1997) 14
Silicon, XANES 204 (1996) 202
Structure, Surface Properties 220 (1997) 164

Silicon Nitride
Deposition Techniques, Hydrogen Effects, Silicon Alloys, Thin Films 210 (1997) 267
Oxidation Reduction, Oxides 216 (1997) 202

Small Angle Neutron Scattering
Amorphous Alloys 205–207 (1996) 645
Oxide Melts 205–207 (1996) 163
Sol–Gel Processes 215 (1997) 169
Structure 209 (1997) 143

Small Angle X-ray Scattering
Alloys, Germanium, Silicon 209 (1997) 175
Amorphous Alloys, Crystallization, X-ray Diffraction 205–207 (1996) 540
Expanded Liquid Metals, X-ray Diffraction 205–207 (1996) 261
Optical Properties, Sol–Gel Processes 217 (1997) 143
Oxides, Phase Separation 208 (1996) 294

Solar Cells
Fabrication, Monte Carlo Simulations, Silicon, Sol–Gel Method 218 (1997) 391
Glasses, Silicon, Thin Films 218 (1997) 388
Photoinduced Effects, Stäbler–Wronski Effect 204 (1996) 92

Sol–Gel Method
Borates 215 (1997) 51
Coatings, Colloids, Optical Properties 218 (1997) 373
Coatings, Deposition Techniques, Glasses 218 (1997) 399
Coatings, Optical Properties, Silica, Tin Oxide 218 (1997) 163
Coatings, Paint, Silica 218 (1997) 395
Coatings, Solvent evaporation, Spin coating 218 (1997) 174
Devices, Electrochemical Properties, Electrochromism 218 (1997) 185
Electrical Properties, Electronic Conductivity, Lasers, Thin Films 218 (1997) 242
Fabrication, Monte Carlo Simulations, Silicon, Solar Cells 218 (1997) 391
Fluorides, Sol–Gel Processes 213–214 (1997) 126
Optical Properties 203 (1996) 43
Optical Properties 203 (1996) 78
Photoconductivity, Thin Films, Ultraviolet Absorption 218 (1997) 135
Structure, Transition Metals 203 (1996) 84

Sol–Gel Precursors
Aerogels, Processing Variables 210 (1997) 224
Crystallization, Sol–Gel Processes 210 (1997) 287
Reactions, Sol–Gel Processes 201 (1996) 231

Sol–Gel Processes
Aerogels, Crystallization 215 (1997) 146
Aerogels, Processing Variables 204 (1996) 228
Aerogels 212 (1997) 268
Alumina, Infra-red Absorption, Raman Spectra 210 (1997) 1
Borates, Infra-red Absorption 202 (1996) 198
Borosilicates, Coatings, Glasses 218 (1997) 146
Calorimetry, Reactions 208 (1996) 99
Catalysis, Organic–Inorganic Hybrids 202 (1996) 279
Catalysis 217 (1997) 48
Chalcogenides, Tungstates 220 (1997) 58
Coatings, Optical Waveguide 220 (1997) 202
Coatings, Titania 217 (1997) 155
Colloids, Optical Properties 201 (1996) 250
Conductivity, Morphology, Thin Films, Tin Oxide 218 (1997) 123
Crystallization, Sol–Gel Precursors 210 (1997) 287
Density, Porosity, Processing Variables 209 (1997) 40
Differential Thermal Analysis 202 (1996) 35
Diffusion, Gradient Index 211 (1997) 150
Diffusion, Water in Glass 217 (1997) 22
Doping, Porosity, X-ray Diffraction 217 (1997) 41
Drying, Fluorescence Spectra 201 (1996) 26
Drying, Kinetics 220 (1997) 52
Drying 201 (1996) 150
Drying 211 (1997) 49
Drying 215 (1997) 155
Drying Control Additive 212 (1997) 40
Elastic Properties, Hydrogen Effects 212 (1997) 292
Electric Properties, Optical Properties, Oxides, Thin Films 218 (1997) 113
Electrochemical Properties, Nanocrystalline Materials, Non-linear Optics 218 (1997) 151
Electrochromism, Tungsten oxide, Vanadium Oxide 218 (1997) 189
Electron Spin Resonance, Infra-red Absorption 217 (1997) 30
Electron Spin Resonance, Transition Metals 212 (1997) 299
EXAFS, Oxides, XANES, X-ray Diffraction 204 (1996) 65
EXAFS, Processing Variables 220 (1997) 45
EXAFS, Solutions 217 (1997) 162
Fluorescence Spectra, Glasses Containing Transition Metal Ions, Rare Earth Ions 202 (1996) 16
Fluorides, Rare Earth Ions, Zirconia 202 (1996) 23
Fluorides, Sol–Gel Method 213–214 (1997) 126
Infra-red Absorption, Pressure-Induced Structural Transformation 220 (1997) 195
Lasers, Optical Properties, Photoinduced Effects 217 (1997) 136
Luminescence, Organic–Inorganic Hybrids 209 (1997) 61
Mechanical Properties, Modelling 201 (1996) 1
Mechanical Properties 204 (1996) 73
Modelling, Surface Tension 202 (1996) 42
Monte Carlo Simulations, Structure 210 (1997) 14
Multilayers, Optical Properties, Oxides 218 (1997) 347
Nuclear Magnetic Resonance, Oxycarbide Glasses, Structure 204 (1996) 217
Nuclear Magnetic Resonance, Reactions, Relaxation 212 (1997) 281
Nuclear Magnetic Resonance, Structure 204 (1996) 105
Nuclear Magnetic Resonance, Structure 209 (1997) 19
Nuclear Magnetic Resonance 202 (1996) 53
Nuclear Magnetic Resonance 211 (1997) 39
Optical Properties, Small Angle X-ray Scattering 217 (1997) 143
Organic–Inorganic Hybrids, Surface Tension 209 (1997) 51
Photoinduced Effects, Silica, Thin Films 215 (1997) 176
Polymer Solutions 208 (1996) 259
Raman Spectra, Transition Metals 208 (1996) 89
Raman Spectra 208 (1996) 247
Rare Earth Ions 201 (1996) 153
Reactions, Sol–Gel Precursors 201 (1996) 231
Reactions 204 (1996) 301
Small Angle Neutron Scattering 215 (1997) 169
Thermal expansion 204 (1996) 118
Water in Glass 204 (1996) 235

Solid State Reaction
Applications, Crystallization, Glass Ceramics 219 (1997) 192

Solutions
Borates, Processing Variables 210 (1997) 141
Chalcogenide Glasses 213–214 (1997) 72
EXAFS, Sol–Gel Processes 217 (1997) 162
Oxides, Reactions 209 (1997) 76
Oxides, Thin Films 210 (1997) 48

Solvent evaporation
Coatings, Sol–Gel Method, Spin coating 218 (1997) 174

Specific Heat
Alloys, Relaxation, Stress Relaxation 208 (1996) 119
Alloys, Thermodynamics 205–207 (1996) 425
Crystallization, Liquid Alloys, Short-Range Order 205–207 (1996) 317
Dynamical Structure, Metallic Glasses, Neutron Inelastic Scattering 205–207 (1996) 733
Glass Transition, Kinetics, Viscosity 205–207 (1996) 480
Theory, Thermal Properties, Two-Level System 202 (1996) 128

Spin coating
Coatings, Sol–Gel Method, Solvent evaporation 218 (1997) 174
Crystallization, Nucleation 220 (1997) 231

Sputtering
Applications, Coatings, Optical Properties, Titania 218 (1997) 262
Applications, Coatings, Vapour Phase Deposition 218 (1997) 12
Coatings, Deposition Techniques, Fabrication 218 (1997) 35
Coatings, Deposition Techniques, Fabrication 218 (1997) 54
Coatings, Deposition Techniques, Oxidation, Silicon 218 (1997) 223
Coatings, Glass Surface 218 (1997) 7
Coatings, Mechanical Properties, Thin Films 218 (1997) 68
Coatings, Optical Properties, Polymers 218 (1997) 44
Defects, Silicon Dioxide, Thin Films 218 (1997) 62
Doping, Electronic Conductivity, Thin Films 218 (1997) 323
Electrical Properties, Surface Properties, Thin Films 218 (1997) 267
Electron Microscopy, Multilayers, X-ray Diffraction 219 (1997) 84
Indium tin oxide, Microwave 218 (1997) 329
Multilayers, Thin Films, Titania 218 (1997) 58
Oxides 218 (1997) 354
Plasma Deposition, Refractive Index, Thin Films 218 (1997) 19
Plasma Deposition, Thin Films 218 (1997) 50

Stability
Fluorides 208 (1996) 282

Stäbler–Wronski Effect
Photoinduced Effects, Solar Cells 204 (1996) 92

Strength
Chemical vapor deposition, Glass Surface, Tin Oxide 218 (1997) 100
Coatings, Glass Surface 218 (1997) 169

Stress Measurement
Alkali Silicate Glasses, Crystallization, Liquids, Viscosity 209 (1997) 96
Amorphous Alloys, Nanocrystalline Materials, Plasticity 205–207 (1996) 829
Deposition Techniques, Heat Mirror, Optical Properties, Thin Films, Titania 218 (1997) 403
Ion plating, Oxides, Thin Films 218 (1997) 256
Phosphates, Stress Relaxation, Structural Relaxation 208 (1996) 228

Stress Relaxation
Alloys, Relaxation, Specific Heat 208 (1996) 119
Fluoride Glasses 213–214 (1997) 336
Kinetics, Modelling, Relaxation 209 (1997) 257
Phosphates, Stress Measurement, Structural Relaxation 208 (1996) 228
Relaxation, Structural Relaxation, Theory, Thermal Properties 202 (1996) 253

Structural Relaxation
Alkali Silicate Glasses, Glass Transition, Optical Properties 204 (1996) 282
Amorphous Alloys, Conductivity 205–207 (1996) 706
Amorphous Alloys, Density, Elastic Properties 205–207 (1996) 602
Differential Scanning Calorimetry, Metallic Glasses, Short-Range Order 205–207 (1996) 633
Diffusion, Metallic Glasses, Phonons 205–207 (1996) 641
Kinetics, Silica, Surface Properties 209 (1997) 264
Phosphates, Stress Measurement, Stress Relaxation 208 (1996) 228
Relaxation, Stress Relaxation, Theory, Thermal Properties 202 (1996) 253
Structure 217 (1997) 92
Supercooled Liquids 205–207 (1996) 884

Structure
Aerogels, Fluorides 204 (1996) 172
Alkali Silicate Glasses, Nuclear Magnetic Resonance 204 (1996) 294
Alloys, Metallic Glasses, Modelling 205–207 (1996) 567
Amorphous Alloys, Anomalous X-ray Scattering 205–207 (1996) 721
Amorphous Alloys, Hydrogenation, X-ray Diffraction 205–207 (1996) 583

Amorphous Alloys, Metal–Insulator Transition 205–207 (1996) 656
Amorphous Alloys 205–207 (1996) 660
Amorphous Semiconductors, Annealing Effects, Bonding 205–207 (1996) 531
Amorphous Solids, EXAFS 205–207 (1996) 527
Amorphous Solids, Modelling 204 (1996) 205
Bonding, Theory 216 (1997) 10
Borates, Fluorescence Spectra, Raman Spectra 217 (1997) 278
Borates, Glasses Containing Transition Metal Ions, Raman Spectra 210 (1997) 163
Borates, Infra-red Absorption, Raman Spectra 202 (1996) 222
Borates, Nuclear Magnetic Resonance, Phosphates 208 (1996) 217
Carbon, Electronic Structure, Monte Carlo Simulations 205–207 (1996) 846
Chalcogenides, Electron Spin Resonance, Glasses Containing Transition Metal Ions 208 (1996) 21
Chalcogenides, EXAFS 212 (1997) 23
Chalcogenides, Monte Carlo Simulations, X-ray Diffraction 209 (1997) 149
Chalcogenides, Neutron Quasielastic Scattering 202 (1996) 248
Chalcogenides 205–207 (1996) 143
Chalcogenide Glasses, Halide Glasses, Raman Spectra 208 (1996) 49
Chalcogenide Glasses 213–214 (1997) 58
Chalcogenide Glasses 213–214 (1997) 68
Chalcogenide Glasses 213–214 (1997) 330
Clusters, Electronic Structure, Molecular Dynamics Simulation 205–207 (1996) 793
Clusters, Nucleation, Transition Metals 205–207 (1996) 781
Composites, Neutron Diffraction 205–207 (1996) 821
Computer Simulation, Inelastic Neutron Scattering, Quasicrystals 205–207 (1996) 701
Conductivity, Critical Point, Expanded Liquid Metals 205–207 (1996) 251
Crystallization, Glass Transition 210 (1997) 23
Devices, Dielectric Properties, Molecular Dynamics 205–207 (1996) 212
Dielectric Properties, Liquid Metals, Theory 205–207 (1996) 911
Dielectric Properties, Nuclear Magnetic Resonance 217 (1997) 99
Dynamical Properties, Glasses, Liquids, Modelling 205–207 (1996) 285
Dynamical Structure, Liquid Metals, Molecular Dynamics 205–207 (1996) 914
Dynamical Structure, Liquid Semiconductors 205–207 (1996) 85
Electrical Properties, Expanded Liquid Metals, Molecular Dynamics Simulation 205–207 (1996) 893
Electrical Properties and Relaxation 212 (1997) 117
Electronic Structure, Liquid Semiconductors, Molecular Dynamics Simulation 205–207 (1996) 79
Electronic Structure 205–207 (1996) 871
EXAFS, Fluoride Glasses 213–214 (1997) 358
EXAFS, Glasses Containing Transition Metal Ions, Silicates, XANES 201 (1996) 81
EXAFS, Liquid Metals 205–207 (1996) 304
EXAFS, Liquids, Neutron Diffraction 205–207 (1996) 155
EXAFS, Oxides, Thermal Properties, XANES 211 (1997) 214
EXAFS, Silicates, X-ray Diffraction 211 (1997) 56
Expanded Liquid Metals, Liquid Metals, Molecular Dynamics 205–207 (1996) 278
Expanded Liquid Metals, Pressure Effects, X-ray Diffraction 205–207 (1996) 295
Expanded Liquid Metals 205–207 (1996) 57
Expanded Liquids, Metal–Non-metal Transition, Vapour Phase 205–207 (1996) 247
First Sharp Diffraction Peak, Phosphates, X-ray Diffraction 217 (1997) 299
Fluoride Glasses, Molecular Dynamics 213–214 (1997) 398
Fluoride Glasses 213–214 (1997) 341
Glass Formation, Metallic Glasses, Topological Short-Range Order 205–207 (1996) 575
Glass Transition, Thermal Properties, X-ray Diffraction 205–207 (1996) 221
Halide Glasses, Thermodynamics 215 (1997) 113
Infra-red Absorption, Nuclear Magnetic Resonance, Oxides 202 (1996) 61
Infra-red Absorption, Phosphates, Raman Spectra 209 (1997) 209
Interfaces, Liquid Alloys, Liquid Metals, Surface Properties 205–207 (1996) 755
Ion Exchange 203 (1996) 268
Kinetics, Nucleation, Theory 205–207 (1996) 550
Lasers 205–207 (1996) 115
Liquid Alloys, Molecular Dynamics Simulation, Neutron Diffraction 205–207 (1996) 866
Liquid Alloys, Molecular Dynamics Simulation, Neutron Diffraction 205–207 (1996) 901
Liquid Alloys, Molecular Dynamics Simulation, Neutron Diffraction 205–207 (1996) 907
Liquid Alloys, Monte Carlo Simulations, Neutron Diffraction 205–207 (1996) 71
Liquid Alloys, Neutron Diffraction, Theory 205–207 (1996) 443
Liquid Alloys, Neutron Diffraction 205–207 (1996) 130
Liquid Alloys, Neutron Diffraction 205–207 (1996) 393
Liquid Alloys, Thermodynamics 205–207 (1996) 455
Liquid Alloys 208 (1996) 145
Liquid Metals, Molecular Dynamics, Viscosity 205–207 (1996) 383
Liquid Metals, Monte Carlo Simulations 205–207 (1996) 879
Liquid Metals, Thermodynamics, Transition Metals 205–207 (1996) 434
Liquid Metals 205–207 (1996) 365
Liquid Semiconductors, Monte Carlo Simulations 205–207 (1996) 361

Metallic Glasses, Modelling 205–207 (1996) 716
Modelling, Molecular Dynamics, Oxides 210 (1997) 232
Modelling, Phosphates 201 (1996) 222
Molten Salts, Neutron Diffraction 205–207 (1996) 168
Monte Carlo Simulations, Sol–Gel Processes 210 (1997) 14
Neutron Diffraction, Water in Glass 202 (1996) 153
Nuclear Magnetic Resonance, Oxides 204 (1996) 125
Nuclear Magnetic Resonance, Oxides, X-ray Diffraction 210 (1997) 41
Nuclear Magnetic Resonance, Oxycarbide Glasses, Sol–Gel Processes 204 (1996) 217
Nuclear Magnetic Resonance, Sol–Gel Processes 204 (1996) 105
Nuclear Magnetic Resonance, Sol–Gel Processes 209 (1997) 19
Optical Properties, Phosphates, Rare Earth Ions 208 (1996) 205
Oxidation Reduction 208 (1996) 237
Oxide Melts 205–207 (1996) 151
Oxides, XPS 211 (1997) 64
Raman Spectra, Tellurite Glasses 220 (1997) 169
Silicon Dioxide, Surface Properties 220 (1997) 164
Small Angle Neutron Scattering 209 (1997) 143
Sol–Gel Method, Transition Metals 203 (1996) 84
Structural Relaxation 217 (1997) 92
X-ray Absorption 203 (1996) 320

Supercooled Liquids
Amorphous Alloys, Crystallization 205–207 (1996) 514
Amorphous Alloys, Glass-forming Viscous Liquids 205–207 (1996) 508
Dynamical Properties, Glass Transition, Liquids, Mode Coupling 205–207 (1996) 472
Glass Transition, Metallic Glasses, Nucleation 219 (1997) 75
Glass Transition, Molecular Dynamics Simulation, Thermodynamics 205–207 (1996) 463
Metallic Glasses, Nucleation, Polymers 219 (1997) 30
Structural Relaxation 205–207 (1996) 884

Surface Analysis
Atomic Force Microscopy, Auger Electron Spectroscopy, Oxides, Surface Reactions 220 (1997) 127
Corrosion, Ellipsometry, Float Glass 218 (1997) 205
Glass Surface, Secondary Ion Mass Spectroscopy, Time-of-Flight 218 (1997) 196
Glass Surface, Tin Oxide 212 (1997) 232
Glasses Containing Transition Metal Ions, Silicates, XPS 208 (1996) 267
Local Environment, Metallic Glasses, Quasicrystals, Scanning Tunneling Microscopy 205–207 (1996) 748
Surface Properties, Surface Reactions 209 (1997) 1

Surface Properties
Chalcogenides, Colloids, Optical Fibers 203 (1996) 217
Clusters, Melting, Molecular Dynamics Simulation 205–207 (1996) 767
Dielectric Properties, Interfaces, Liquid Alloys 205–207 (1996) 772
Diffusion, Modelling 217 (1997) 250
Electrical Properties, Sputtering, Thin Films 218 (1997) 267
Interfaces, Liquid Alloys, Liquid Metals, Structure 205–207 (1996) 755
Interfaces, Liquid Metals, Reflectivity 205–207 (1996) 762
Kinetics, Silica, Structural Relaxation 209 (1997) 264
Phase Separation 215 (1997) 252
Silicon Dioxide, Structure 220 (1997) 164
Surface Analysis, Surface Reactions 209 (1997) 1
Surface Reactions, Water in Glass 217 (1997) 1

Surface Reactions
Aerogels, Infra-red Absorption 212 (1997) 243
Amorphous Alloys, Crystallization, Diffusion 205–207 (1996) 554
Amorphous Alloys, Crystallization 205–207 (1996) 563
Atomic Force Microscopy, Auger Electron Spectroscopy, Oxides, Surface Analysis 220 (1997) 127
Corrosion 208 (1996) 170
Crystallization, Positron Annihilation 217 (1997) 72
Crystallization 203 (1996) 88
Elastic Properties, Water in Glass 217 (1997) 11
Glass Formation, Metallic Glasses 215 (1997) 283
Surface Analysis, Surface Properties 209 (1997) 1
Surface Properties, Water in Glass 217 (1997) 1

Surface Tension
Modelling, Sol–Gel Processes 202 (1996) 42
Organic–Inorganic Hybrids, Sol–Gel Processes 209 (1997) 51

Switching
Electric Properties, Hydrogen Effects 217 (1997) 106

Tails
Glass Surface, Interfaces, Light Scattering, Optical Properties 218 (1997) 335

Tellurite Glasses
Differential Scanning Calorimetry, Infra-red Absorption 213–214 (1997) 164
Non-linear Optics 203 (1996) 49
Raman Spectra, Structure 220 (1997) 169

Tetrahedral Materials
Amorphization, X-ray Diffraction 205–207 (1996) 518

Theory
Amorphous Alloys, Electronic Structure, Local Environment 205–207 (1996) 841

Amorphous Alloys, Liquid Metals, Transition Metals 205–207 (1996) 861
Bonding, Structure 216 (1997) 10
Borates, Nuclear Magnetic Resonance 215 (1997) 236
Defects, Modelling, Silica 211 (1997) 197
Defects, Optical Properties, Silicon Dioxide 216 (1997) 1
Defects, Silicon Dioxide 217 (1997) 167
Dielectric Properties, Liquid Metals, Structure 205–207 (1996) 911
Diffusion, Hydrogen Effects 216 (1997) 30
Electronic Structure, Localization, Metal–Insulator Transition 205–207 (1996) 32
Glass Transition, Liquids, Phase Transition 212 (1997) 80
Kinetics, Nucleation, Structure 205–207 (1996) 550
Liquid Alloys, Neutron Diffraction, Structure 205–207 (1996) 443
Liquid Metals, Magnetic Properties 205–207 (1996) 342
Mixed-Alkali Effect, Percolation 220 (1997) 1
Oxides, Silicon Dioxide 216 (1997) 14
Quasicrystals 205–207 (1996) 25
Relaxation, Stress Relaxation, Structural Relaxation, Thermal Properties 202 (1996) 253
Specific Heat, Thermal Properties, Two-Level System 202 (1996) 128

Thermal Conductivity
Electrical Properties, Quasicrystals, Thermoelectric Power 205–207 (1996) 17
Silicates, Two-Level System 202 (1996) 88

Thermal expansion
Applications, Fracture, Glass Ceramics 219 (1997) 198
Density, Hardness, Oxynitride Glasses, Polymer Solutions 217 (1997) 66
Expanded Liquid Metals, Metal–Nonmetal Transition 205–207 (1996) 270
Glass Transition, Mechanical Properties, Oxynitride Glasses 208 (1996) 162
Photoinduced Effects, Thin Films, Ultraviolet Absorption 218 (1997) 312
Sol–Gel Processes 204 (1996) 118

Thermal Properties
Aerogels, Electron Microscopy, Gels, Piezoresistance 201 (1996) 66
Alloys, Photoinduced Effects, Silicon 201 (1996) 163
Amorphous Alloys, Electron Microscopy, Forming, X-ray Diffraction 202 (1996) 266
Borates, Luminescence, Rare Earth Ions 220 (1997) 217
Chalcogenide Glasses, Photoinduced Effects, Thin Films 202 (1996) 122
Crystallization, Differential Scanning Calorimetry, Differential Thermal Analysis, Phosphates 201 (1996) 52
Crystallization, Oxides, Oxynitride Glasses 211 (1997) 222
Electron Microscopy, Glasses Containing Transition Metal Ions, Magnetic Properties, Particles 201 (1996) 159
EXAFS, Oxides, Structure, XANES 211 (1997) 214
Fibers, Phase Separation 201 (1996) 267
Fibers, Phase Separation 201 (1996) 272
Fluorides 204 (1996) 260
Glass Transition, Structure, X-ray Diffraction 205–207 (1996) 221
Glasses, Nucleation 205–207 (1996) 546
Halide Glasses, Nuclear Magnetic Resonance 213–214 (1997) 345
Heat Capacity, Silicates, Thermodynamics 211 (1997) 271
Oxides, Raman Spectra 210 (1997) 130
Phosphates 201 (1996) 262
Polymers, Pressure Effects 204 (1996) 158
Relaxation, Stress Relaxation, Structural Relaxation, Theory 202 (1996) 253
Specific Heat, Theory, Two-Level System 202 (1996) 128

Thermal Stimulated Depolarization Current
Local Environment, Orientational Correlation 220 (1997) 309

Thermodynamics
Alloys, Specific Heat 205–207 (1996) 425
Amorphous Alloys, Melting, Modelling 205–207 (1996) 216
Amorphous Alloys 205–207 (1996) 629
Borosilicates 209 (1997) 292
Conductivity, Liquid Alloys, Liquid Semiconductors 205–207 (1996) 62
Crystallization, Field Effect 220 (1997) 235
Crystallization, Halide Glasses 215 (1997) 125
Density, Liquid Metals, Metal–Nonmetal Transition 205–207 (1996) 147
Enthalpy, Fermi Level, Liquid Alloys 205–207 (1996) 312
Enthalpy, Liquid Alloys 205–207 (1996) 711
Expanded Liquid Metals, Pressure Effects 205–207 (1996) 459
Glass Transition, Molecular Dynamics Simulation, Supercooled Liquids 205–207 (1996) 463
Halide Glasses, Structure 215 (1997) 113
Heat Capacity, Silicates, Thermal Properties 211 (1997) 271
Liquid Alloys, Phase Diagrams 205–207 (1996) 379
Liquid Alloys, Phase Diagrams 205–207 (1996) 417
Liquid Alloys, Short-Range Order 205–207 (1996) 438
Liquid Alloys, Structure 205–207 (1996) 455
Liquid Alloys 205–207 (1996) 352
Liquid Alloys 205–207 (1996) 421
Liquid Alloys 205–207 (1996) 678
Liquid Metals, Structure, Transition Metals 205–207 (1996) 434
Modelling 203 (1996) 274
Molten Salts, Neutron Diffraction 205–207 (1996) 159
Nitrogen-Containing Glass, Processing Variables 209 (1997) 69

Thermoelectric Power
Amorphous Alloys, Ceramics, Composites, Processing Variables 205–207 (1996) 742
Electrical Properties, Liquid Alloys 205–207 (1996) 328
Electrical Properties, Quasicrystals, Thermal Conductivity 205–207 (1996) 17
EXAFS, Liquid Alloys, Transport Properties – Liquids 205–207 (1996) 43
Liquid Alloys, Magnetic Properties, Transport Properties – Liquids 205–207 (1996) 102
Liquid Alloys, Transport Properties – Liquids 205–207 (1996) 98
Liquid Alloys, Transport Properties – Liquids 205–207 (1996) 388

Thermoporometry
Liquid Alloys 205–207 (1996) 332

Thin Film Transistors
Annealing Effects, Lasers, Silicon 218 (1997) 218
Defects, Deposition Techniques, Silicon 204 (1996) 164
Optical Properties, Vapour Phase Deposition 210 (1997) 148

Thin Films
Absorption, Deposition Techniques, Optical Properties 218 (1997) 380
Acoustic Properties, Silicon Carbide 209 (1997) 273
Alloys, Ion Irradiation, Multilayers 211 (1997) 180
Amorphous Alloys, Dielectric Properties, Optical Properties 205–207 (1996) 180
Amorphous Alloys, Electrical Properties, Hall Coefficient 205–207 (1996) 665
Amorphous Alloys, Electrodeposition, Mössbauer Effect, X-ray Diffraction 204 (1996) 99
Amorphous Semiconductors, Photoresponse, Silicon 211 (1997) 229
Annealing Effects, Chalcogenide Glasses, Optical Properties 220 (1997) 63
Band structure, Diffusion, Electrochromism 218 (1997) 273
Chalcogenides, Electron Spin Resonance, Photoinduced Effects 217 (1997) 121
Chalcogenides, Hardness, Optical Properties, Vapour Phase Deposition 210 (1997) 261
Chalcogenides, Radiation Effects 210 (1997) 119
Chalcogenide Glasses, Defects, Semiconductors 201 (1996) 119
Chalcogenide Glasses, Photoinduced Effects, Thermal Properties 202 (1996) 122
Coatings, Conductivity, Plasma Deposition 218 (1997) 30
Coatings, Devices, Electrochromism, Nickel oxide, Tungsten oxide 218 (1997) 342
Coatings, Emissivity, Optical Properties 218 (1997) 38
Coatings, Glasses, Reflectivity 218 (1997) 1
Coatings, Mechanical Properties, Sputtering 218 (1997) 68
Coatings, Tin Oxide, Vapour Phase Deposition 218 (1997) 179
Conductivity, Gallium Phosphide, Optical Properties 205–207 (1996) 176
Conductivity, Morphology, Sol–Gel Processes, Tin Oxide 218 (1997) 123
Defects, Silicon Dioxide, Sputtering 218 (1997) 62
Deposition Techniques, Heat Mirror, Optical Properties, Stress Measurement, Titania 218 (1997) 403
Deposition Techniques, Hydrogen Effects, Silicon Alloys, Silicon Nitride 210 (1997) 267
Dielectric Properties, Photoconductivity 216 (1997) 88
Doping, Electronic Conductivity, Sputtering 218 (1997) 323
Doping, Optical Properties, Silicon 209 (1997) 188
Electric Properties, Optical Properties, Oxides, Sol–Gel Processes 218 (1997) 113
Electric Properties, Oxides, Oxynitride Glasses 217 (1997) 323
Electrical Properties, Electronic Conductivity, Lasers, Sol–Gel Method 218 (1997) 242
Electrical Properties, Optical Properties, $ZnGa_2O_4$ 218 (1997) 74
Electrical Properties, Sputtering, Surface Properties 218 (1997) 267
Electroluminescence, Luminescence, Silicon Dioxide 220 (1997) 69
Electron Microscopy, Electronic Conductivity, Oxides, Tin Oxide 218 (1997) 230
Ellipsometry, Silicon Dioxide 216 (1997) 77
Glasses, Liquid Crystal Displays 218 (1997) 360
Glasses, Silicon, Solar Cells 218 (1997) 388
Ice, Internal Friction, Mechanical Properties 208 (1996) 151
Infra-red Absorption, Plasma Deposition, Silicon Carbide 201 (1996) 110
Interfaces, Ion Exchange, Refractive Index 218 (1997) 286
Ion plating, Oxides, Stress Measurement 218 (1997) 256
Mass Spectrometry, XPS 216 (1997) 156
Mössbauer Effect, Tin Oxide 218 (1997) 291
Multilayers, Optical Properties, Refractive Index 218 (1997) 296
Multilayers, Silica, Titania 218 (1997) 156
Multilayers, Sputtering, Titania 218 (1997) 58
Nanocrystalline Materials, Optical Properties, X-ray Diffraction 218 (1997) 139
Nanocrystalline Materials 205–207 (1996) 737
Oxides, Solutions 210 (1997) 48
Photoconductivity, Sol–Gel Method, Ultraviolet Absorption 218 (1997) 135
Photoinduced Effects, Silica, Sol–Gel Processes 215 (1997) 176
Photoinduced Effects, Thermal expansion, Ultraviolet Absorption 218 (1997) 312

Plasma Deposition, Refractive Index, Sputtering 218 (1997) 19
Plasma Deposition, Sputtering 218 (1997) 50

Three-body Correlations
Amorphous Alloys, Computer Simulation, Neutron Diffraction, Short-Range Order 205–207 (1996) 888

Time-of-Flight
Glass Surface, Secondary Ion Mass Spectroscopy, Surface Analysis 218 (1997) 196
Hydrogen Effects, Monte Carlo Simulations, Silicon 220 (1997) 254

Time-Resolved Spectroscopy
Experimental Techniques, Liquid Metals, Melting 205–207 (1996) 490
Fluorescence Spectra, Organic–Inorganic Hybrids 220 (1997) 316
Luminescence, Rare Earth Ions 208 (1996) 56

Tin Oxide
Alumina, Coatings, Conductivity, Silica, Silicon, Titania 218 (1997) 81
Chemical vapor deposition, Glass Surface, Strength 218 (1997) 100
Coatings, Optical Properties, Silica, Sol–Gel Method 218 (1997) 163
Coatings, Thin Films, Vapour Phase Deposition 218 (1997) 179
Conductivity, Morphology, Sol–Gel Processes, Thin Films 218 (1997) 123
Electron Microscopy, Electronic Conductivity, Oxides, Thin Films 218 (1997) 230
Glass Surface, Surface Analysis 212 (1997) 232
Mössbauer Effect, Thin Films 218 (1997) 291

Titania
Alumina, Coatings, Conductivity, Silica, Silicon, Tin Oxide 218 (1997) 81
Applications, Coatings, Optical Properties, Sputtering 218 (1997) 262
Coatings, Optical Properties, Silica 218 (1997) 25
Coatings, Sol–Gel Processes 217 (1997) 155
Colloids, Infra-red Absorption, Lead Titanate, Nanocrystalline Materials, Semiconductors 205–207 (1996) 815
Deposition Techniques, Heat Mirror, Optical Properties, Stress Measurement, Thin Films 218 (1997) 403
Multilayers, Silica, Thin Films 218 (1997) 156
Multilayers, Sputtering, Thin Films 218 (1997) 58

Topological Short-Range Order
Glass Formation, Metallic Glasses, Structure 205–207 (1996) 575

Transition Metals
Alkali Silicate Glasses, Magnetic Properties, XANES 220 (1997) 267
Amorphous Alloys, Liquid Metals, Theory 205–207 (1996) 861
Amorphous Alloys, Mechanical Properties 205–207 (1996) 500
Clusters, Nucleation, Structure 205–207 (1996) 781
Crystallization 204 (1996) 151
Electron Spin Resonance, Sol–Gel Processes 212 (1997) 299
Electronic Conductivity 203 (1996) 353
Glass Formation, Phosphates 204 (1996) 141
Liquid Metals, Structure, Thermodynamics 205–207 (1996) 434
Raman Spectra, Sol–Gel Processes 208 (1996) 89
Sol–Gel Method, Structure 203 (1996) 84

Transport Properties – Liquids
Chalcogenides, Liquid Alloys, Liquid Semiconductors 205–207 (1996) 89
Electrical Properties, Liquid Semiconductors, Metal–Non-metal Transition 205–207 (1996) 28
EXAFS, Liquid Alloys, Thermoelectric Power 205–207 (1996) 43
Germanium, Liquid Metals 201 (1996) 172
Liquid Alloys, Magnetic Properties, Thermoelectric Power 205–207 (1996) 102
Liquid Alloys, Thermoelectric Power 205–207 (1996) 98
Liquid Alloys, Thermoelectric Power 205–207 (1996) 388
Transport Properties – Liquids 205–207 (1996) 120

Transport Properties – Solids
Modelling 203 (1996) 225

Trapping
Electric Properties, Silicon Dioxide 216 (1997) 174
Electrical Properties, Silicon Dioxide 216 (1997) 162
Electrical Properties, Silicon Dioxide 216 (1997) 209
Electrical Properties, Silicon Dioxide 220 (1997) 157

Tungsten oxide
Coatings, Devices, Electrochromism, Nickel oxide, Thin Films 218 (1997) 342
Electrochromism, Optical Properties, Vanadium Oxide 218 (1997) 302
Electrochromism, Sol–Gel Processes, Vanadium Oxide 218 (1997) 189

Tungstates
Chalcogenides, Sol–Gel Processes 220 (1997) 58

Tunneling
Light Scattering, Modelling, Raman Spectra 208 (1996) 81

Two-Level System
Chalcogenides, Raman Spectra 211 (1997) 89
Silicates, Thermal Conductivity 202 (1996) 88
Specific Heat, Theory, Thermal Properties 202 (1996) 128

Ultrasonic Relaxation
Glasses Containing Transition Metal Ions, Hardness, Mechanical Properties, Oxides 215 (1997) 75

Ultraviolet Absorption
Photoconductivity, Sol–Gel Method, Thin Films 218 (1997) 135
Photoinduced Effects, Thermal expansion, Thin Films 218 (1997) 312
Processing Variables, Radiation Effects 203 (1996) 69

Valence Band
Crystallization, Nitridation, Nucleation, Oxides 211 (1997) 1

Vanadium Oxide
Electrochromism, Optical Properties, Tungsten oxide 218 (1997) 302
Electrochromism, Sol–Gel Processes, Tungsten oxide 218 (1997) 189

Vaporization
Bubbles, Nucleation 205–207 (1996) 919
Fluoride Glasses 213–214 (1997) 85

Vapour Phase
Expanded Liquids, Metal–Non-metal Transition, Structure 205–207 (1996) 247

Vapour Phase Deposition
Applications, Coatings, Sputtering 218 (1997) 12
Chalcogenides, Hardness, Optical Properties, Thin Films 210 (1997) 261
Coatings, Thin Films, Tin Oxide 218 (1997) 179
Electrical Properties, Optical Properties, Silicon 204 (1996) 265
Hydrogenation, Raman Spectra, Silicon 211 (1997) 173
Optical Properties, Thin Film Transistors 210 (1997) 148

Viscoelasticity
Modelling, Oxides 215 (1997) 208

Viscosity
Alkali Silicate Glasses, Crystallization, Liquids, Stress Measurement 209 (1997) 96
Amorphous Alloys, Molten Salts 205–207 (1996) 650
Borosilicates, Enthalpy Relaxation, Entropy 211 (1997) 281
Critical Point, Liquid Alloys 205–207 (1996) 408
Dynamical Properties, Modelling 212 (1997) 126
Elastic Properties, Mechanical Properties, Oxides 201 (1996) 128
Glass Transition, Kinetics, Specific Heat 205–207 (1996) 480
Halide Glasses 203 (1996) 364
Halide Glasses 213–214 (1997) 106
Liquid Metals, Molecular Dynamics, Structure 205–207 (1996) 383
Liquids, Phase Transition 209 (1997) 283
Liquids 201 (1996) 146
Modelling 211 (1997) 30
Processing Variables 202 (1996) 272
Viscosity 205–207 (1996) 504
Viscosity 212 (1997) 136

Voltammetry
Diffusion, Experimental Techniques 215 (1997) 68

Water in Glass
Aerogels, Raman Spectra 211 (1997) 294
Dielectric Properties 203 (1996) 345
Diffusion, Sol–Gel Processes 217 (1997) 22
Elastic Properties, Surface Reactions 217 (1997) 11
Electrical Properties, Fictive Temperature 203 (1996) 262
Glasses, Nucleation, Silicates 219 (1997) 62
Hydrogen in Glass, Infra-red Absorption, Silica 201 (1996) 177
Infra-red Absorption 203 (1996) 27
Infra-red Absorption 203 (1996) 159
Neutron Diffraction, Structure 202 (1996) 153
Processing Variables 203 (1996) 19
Sol–Gel Processes 204 (1996) 235
Surface Properties, Surface Reactions 217 (1997) 1

Washing agents
Corrosion, Defects, Glass Surface 218 (1997) 210

XANES
Alkali Silicate Glasses, Magnetic Properties, Transition Metals 220 (1997) 267
Coordination, Glasses Containing Transition Metal Ions 204 (1996) 53
Coordination, Phosphates 220 (1997) 85
EXAFS, Glasses Containing Transition Metal Ions, Magnetic Properties, Polymers 212 (1997) 11
EXAFS, Glasses Containing Transition Metal Ions, Silicates, Structure 201 (1996) 81
EXAFS, Oxides, Sol–Gel Processes, X-ray Diffraction 204 (1996) 65
EXAFS, Oxides, Structure, Thermal Properties 211 (1997) 214
Silicon, Silicon Dioxide 204 (1996) 202

XPS
Aerogels, Silica 201 (1996) 76
Alkali Silicate Glasses, Glasses Containing Transition Metal Ions 215 (1997) 271

Conduction Band, Liquid Metals, Nuclear Magnetic Resonance 205–207 (1996) 322
Glasses Containing Transition Metal Ions, Silicates, Surface Analysis 208 (1996) 267
Infra-red Absorption, Non-linear Optics 215 (1997) 61
Mass Spectrometry, Thin Films 216 (1997) 156
Molybdates, Phosphates 212 (1997) 180
Nitridation, Nitrogen-Containing Glass, Oxides 215 (1997) 201
Oxides, Structure 211 (1997) 64

X-ray Absorption
Chalcogenides 208 (1996) 36
Density, Liquid Semiconductors, Pressure-Induced Structural Transformation 205–207 (1996) 451
Structure 203 (1996) 320

X-ray Diffraction
Amorphization, Differential Scanning Calorimetry, Intermetallic Compounds 219 (1997) 170
Amorphization, Tetrahedral Materials 205–207 (1996) 518
Amorphous Alloys, Crystallization, Small Angle X-ray Scattering 205–207 (1996) 540
Amorphous Alloys, Electrodeposition, Mössbauer Effect, Thin Films 204 (1996) 99
Amorphous Alloys, Electron Microscopy, Forming, Thermal Properties 202 (1996) 266
Amorphous Alloys, Hydrogenation, Structure 205–207 (1996) 583
Chalcogenides, Monte Carlo Simulations, Structure 209 (1997) 149
Critical Point, Interfaces, Metal–Nonmetal Transition, Reflectivity 205–207 (1996) 239
Crystallization, Orientational Glasses 209 (1997) 305
Differential Scanning Calorimetry, Glass Ceramics, Nucleation 219 (1997) 149
Differential Thermal Analysis, Fluoride Glasses, Glass Ceramics 219 (1997) 176
Doping, Porosity, Sol–Gel Processes 217 (1997) 41
Electron Microscopy, Multilayers, Sputtering 219 (1997) 84
Electron Microscopy, Nuclear Magnetic Resonance, Silica 211 (1997) 126
Electron Microscopy, Nucleation, Scanning Electron Microscopy 219 (1997) 128
EXAFS, Oxides, Sol–Gel Processes, XANES 204 (1996) 65
EXAFS, Silicates, Structure 211 (1997) 56
Expanded Liquid Metals, Pressure Effects, Structure 205–207 (1996) 295
Expanded Liquid Metals, Small Angle X-ray Scattering 205–207 (1996) 261
First Sharp Diffraction Peak, Phosphates, Structure 217 (1997) 299
Glass Transition, Structure, Thermal Properties 205–207 (1996) 221
Nanocrystalline Materials, Optical Properties, Thin Films 218 (1997) 139
Nuclear Magnetic Resonance, Oxides, Structure 210 (1997) 41

X-ray Emission
Amorphous Alloys, Electronic Structure 205–207 (1996) 587

Zirconia
Fluorides, Rare Earth Ions, Sol–Gel Processes 202 (1996) 23
Glass Transition, Mechanical Properties, Organic–Inorganic Hybrids 211 (1997) 105

$ZnGa_2O_4$
Electrical Properties, Optical Properties, Thin Films 218 (1997) 74

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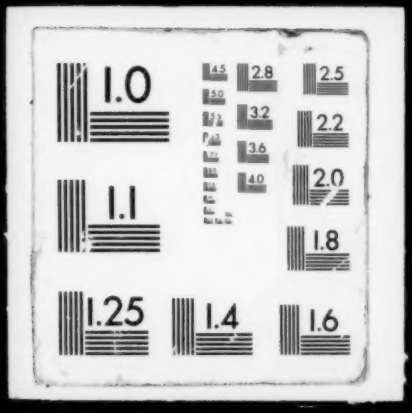
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